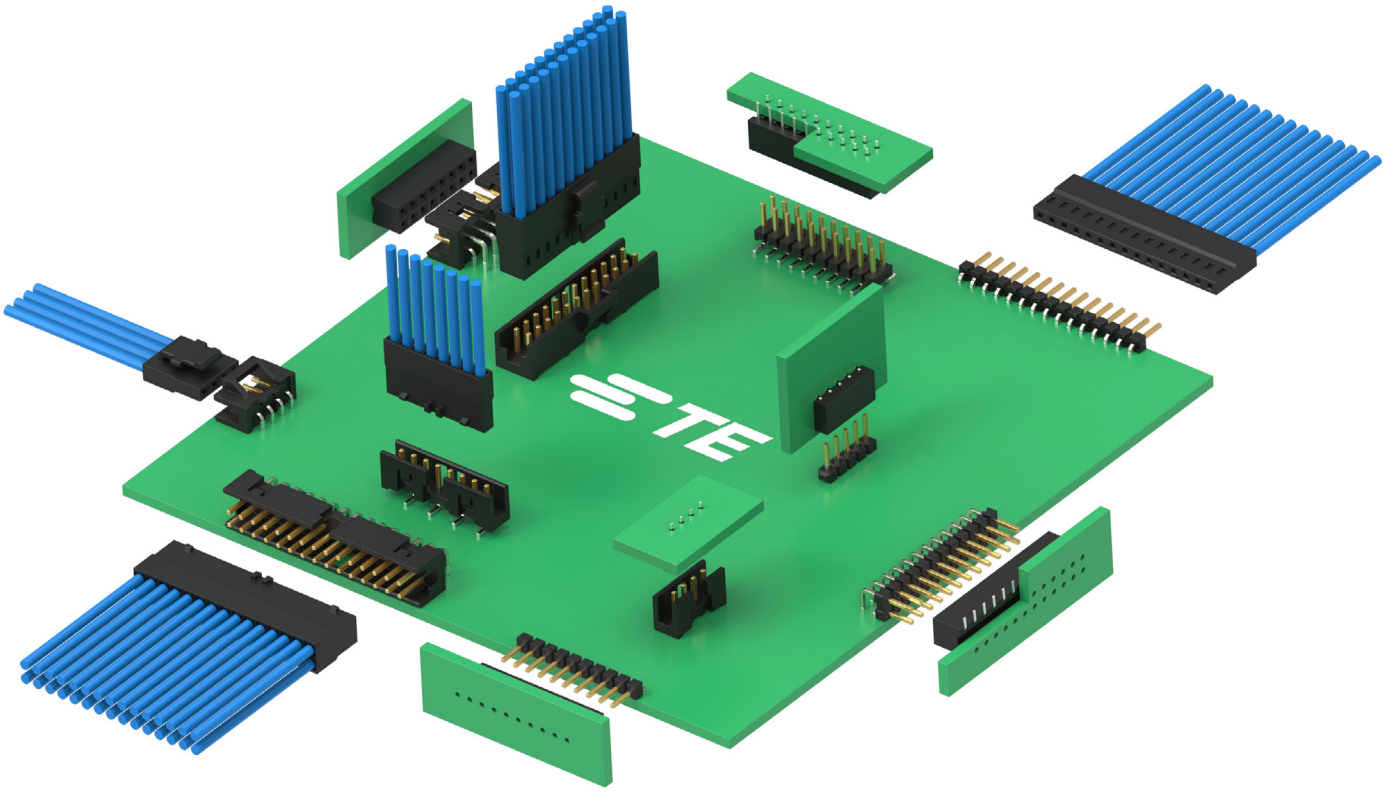


AMPMODU 2 MM INTERCONNECTION SYSTEM

Quick Reference Guide

AMPMODU 2 MM INTERCONNECTION SYSTEM

TE Connectivity (TE)'s AMPMODU 2 mm interconnection system reliably and economically meets the requirements of today's miniature, sophisticated electronics. This system is ideal for space constrained environments and offers a wide portfolio with design features that enable reliable signal transfers in demanding applications.

TE's compact 2 mm design enables space savings, providing designers with greater overall flexibility.
The AMPMODU 2 mm system occupies 38% less space on a printed circuit board as compared to traditional 2.54 mm centerline connectors. This connector system is available in both board-to-board and wire-to-board mating options and utilizes a dual-beam contact design to enable 2 points of contact for increased signal reliability.
The AMPMODU 2 mm connection system is available in 4 types of plating options: 30µ" [0.76 µm] gold, 15µ" [0.38 µm] gold, 4µ" [0.1 µm] gold flash, and tin. All 2 mm board-mount connectors are offered in single and double row versions and vertical and horizontal orientations for both headers and receptacles. Surface mount and through-hole mounting options are available with the capability to support reflow solder processes up to 260°C.

Board-mount connectors can be packaged in tape and reel to support automated assembly processes, or in tubes, which may be ideal in manual assembly environments. AMPMODU 2 mm wire-to-board connectors are available without latches, and with detent or positive latches for high-vibrations applications that demand more secure electrical connections. Wire-mount receptacles are offered with two options for discrete wire termination – crimp snap-in contacts and insulation displacement contacts (IDC). Additionally, wire termination is easily accomplished with TE-designed application tooling.

The AMPMODU 2 mm interconnection system is the clear choice for demanding Industrial applications, offering a comprehensive, economical, and reliable connector portfolio.

FEATURES

- Centerline: 0.079" [2 mm]
- 0.020" [0.50 mm] square pins for headers
- Dual-beam receptacle contact
- Multiple solder tail lengths for various PCB thicknesses, 0.063" to 0.094" [1.6 mm to 2.4 mm]
- High temperature plastic (LCP) housing
- Board connectors available in tube and tape & reel packaging
- Up to 25 positions per row, single and dual row offering
- Wire termination: crimp and IDC
- Wire size:
  - Crimp contacts: AWG 30 - 24
  - IDC: AWG 30 – 26
- Environmental**:** UL94V0, low halogen

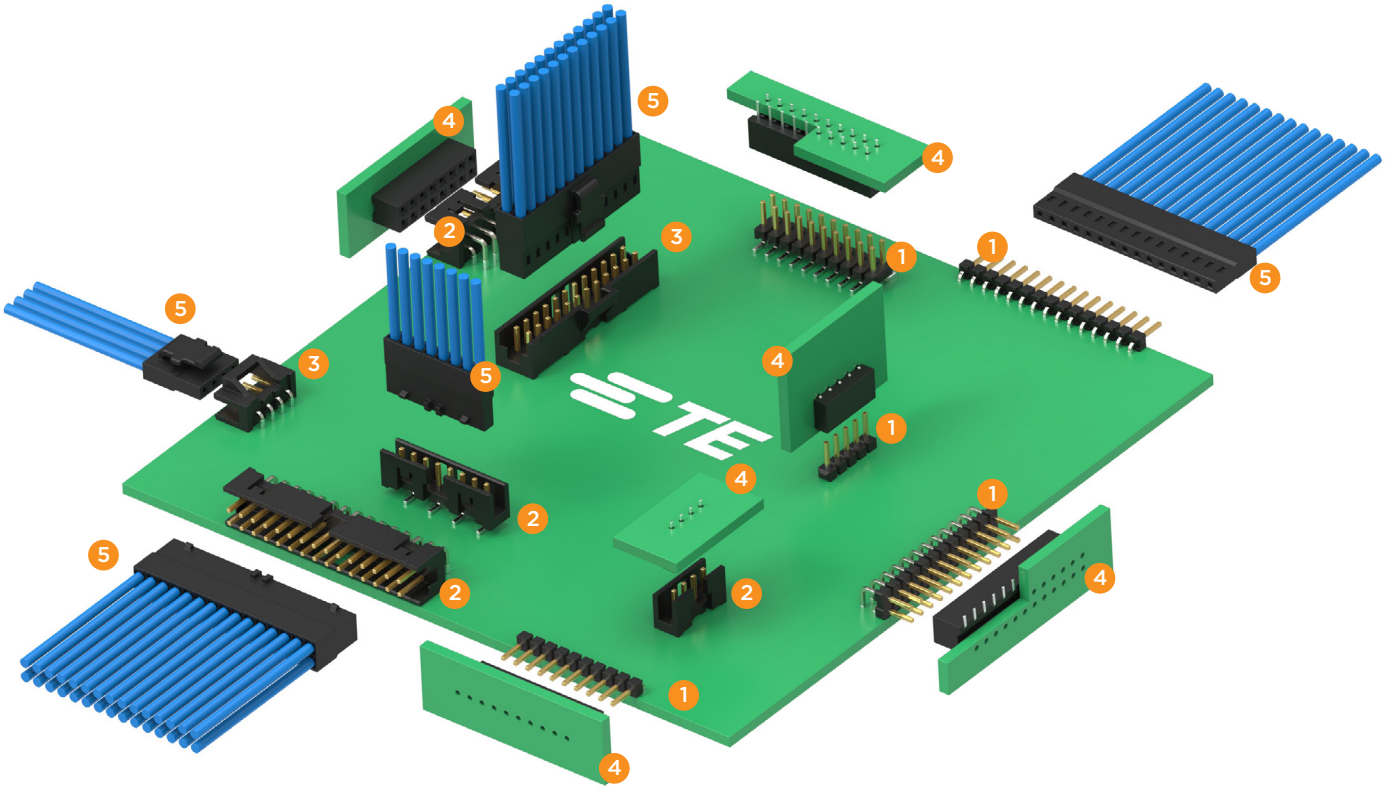
APPLICATIONS

- PLC
- I/O devices
- Servo drives
- Robotics
- Automated guided vehicles
- Material handling equipment
- Industrial controls
- Instrumentation and test equipment
- Building automation devices
- Medical equipment
- Energy storage systems

BENEFITS

- Occupies 38% less space on PCB board compared with 0.100" [2.54 mm] centerline
- Two-point electrical stability for reliable signal transfer
- Multiple options for Board-to-Board stacking by various header and receptacle combinations
- Ease of assembly with automated surface-mounting and through-hole reflow manufacturing
- Reliable connection in high vibration environments with detent and positive latching variants
- Ergonomic and easy mating/unmating process with positive latching variant
- Headers are intermateable with other major brand receptacles
- Design flexibility with various crimp terminal options
- Fast termination/installation without the need to strip the wire with IDC wire receptacles
- IDC and crimp receptacles mate with the same headers
- Interchangeable IDC and Crimp Snap-In contacts allow for easy replacement of damaged/faulty contacts

AMPMODU 2 MM INTERCONNECTION SYSTEM



1	BREAKAWAY HEADERS	Page 9 - 12
2	SHROUDED HEADERS W/ DETENT LATCHES	Page 13 - 16
3	SHROUDED HEADERS W/ POSITIVE LATCH	Page 17 - 20
4	BOARD RECEPTACLES	Page 21 - 25
5	CRIMP SNAP-IN RECEPTACLES	Page 26 - 29
	INSULATION DISPLACEMENT CONTACTS (IDC) RECEPTACLES	Page 30 - 33

AMPMODU 2 MM INTERCONNECTION SYSTEM PERFORMANCE SPECIFICATIONS AND STANDARDS

MATERIALS

Housing	Liquid Crystal Polymer, UL 94V0, Black
Contact	Phosphor Bronze
Contact Plating	30µ" [0.76 µm] Gold
	15µ" [0.38 µm] Gold
	4µ" [0.1 µm] Gold
	Tin

ELECTRICAL

Voltage Rating	125 Vrms (max.)
Current Rating	2 A (max.)
Operating Temperature	Tin Plating: -40 to +105°C
	Gold Plating: -40 to +125°C
Dielectric Withstanding Voltage	650 VAC
Temperature Rise	30°C@1.6A

SPECIFICATIONS AND APPROVALS

Certifications and Approvals	RoHS
	REACH
	cURus
Product Specification	Headers: 108-64040
	Board Receptacles: 108-64040
	Crimp Snap-In Receptacles: 108-64040-1
	IDC Receptacles: 108-64040-2
Application Specification	Headers: 114-64040
	Board Receptacles: 114-32186
	Crimp Snap-In Receptacles: 114-32173
	IDC Receptacles: 114-32175

MECHANICAL

Durability	30µ" [0.76 µm] Gold: 250 cycles
	15µ" [0.38 µm] Gold: 100 cycles
	4µ" [0.1 µm]Gold: 50 cycles
	Tin: 25 cycles
Connector Mating/ Unmating Force	Mating: 2.2 N max.
	Unmating: 0.2 N min.
Contact Retention Force in Housing (Board Connectors)	5 N min.
Contact Retention Force in Housing (Wire Receptacles)	10 N min.
Vibration	No electrical discontinuity greater than 1 microsecond under 10-55-10 Hz traversed in minute at 1.52 mm amplitude
Shock	No electrical discontinuity greater than 1 microsecond by 50 G acceleration
Latch Durability	25 cycles
Positive Latch Engage/Disengage Force (without Contacts)	Engage: 6 N max.
	Disengage: 20 N min.
Solderability	Reflow Solderable, Capable up to 260°C

CONFIGURATIONS

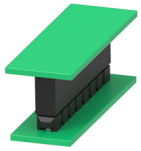
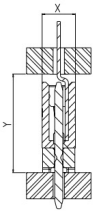
Headers

- A — BREAKAWAY VERTICAL TH
- B — BREAKAWAY VERTICAL SMT
- C — BREAKAWAY HORIZONTAL TH
- D — SHROUDED W/ DETENT LATCHES VERTICAL TH
- E — SHROUDED W/ DETENT LATCHES VERTICAL SMT
- F — SHROUDED W/ DETENT LATCHES HORIONTAL TH
- G — SHROUDED W/ POSITIVE LATCH VERTICAL TH
- H — SHROUDED W/ POSITIVE LATCH VERTICAL SMT
- J — SHROUDED W/ POSITIVE LATCH HORIZONTAL TH

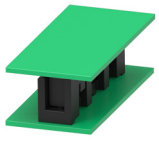
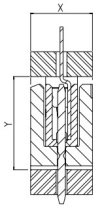
Receptacles

- 1 — BOARD VERTICAL TH
- 2 — BOARD VERTICAL SMT
- 3 — BOARD HORIZONTAL TH
- 4 — BOARD HORIZONTAL SMT
- BOARD VERTICAL OUTRIGGER TH
- 5 — WIRE (CRIMP/IDC) STANDARD
- 6 — WIRE (CRIMP/IDC) W/ DETENT LATCHES
- 7 — WIRE (CRIMP/IDC) W/ POSITIVE LATCH

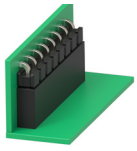
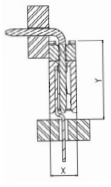
BOARD-TO-BOARD

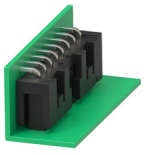
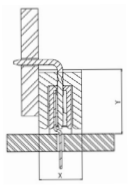
Application		X (Single Row)	X (Double Row)	Y
Parallel boards - vertical board receptacle and vertical shrouded header	A 1	0.083” [2.10 mm]	0.161” [4.10 mm]	0.236” [6.00 mm]
	B 1	0.083” [2.10 mm]	0.161” [4.10 mm]	0.285” [7.25 mm]
	A 2	0.083” [2.10 mm]	0.161” [4.10 mm]	0.244” [6.20 mm]
	B 2	0.083” [2.10 mm]	0.161” [4.10 mm]	0.293” [7.45 mm]

Application		X (Single Row)	X (Double Row)	Y
Parallel boards - vertical board receptacle and vertical shrouded header	D 1	0.157” [4.00 mm]	0.244” [6.20 mm]	0.236” [6.00 mm]
	E 1	0.157” [4.00 mm]	0.244” [6.20 mm]	0.285” [7.25 mm]
	D 2	0.157” [4.00 mm]	0.244” [6.20 mm]	0.244” [6.20 mm]
	E 2	0.157” [4.00 mm]	0.244” [6.20 mm]	0.293” [7.45 mm]

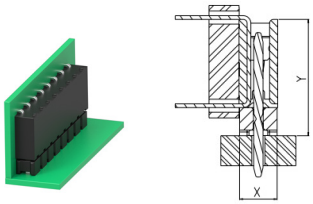
Application		X (Single Row)	X (Double Row)	Y
Perpendicular boards - vertical board receptacle and horizontal breakaway header	C 1	0.083” [2.10 mm]	0.161” [4.10 mm]	0.236” [6.00 mm]
	C 2	0.083” [2.10 mm]	0.161” [4.10 mm]	0.244” [6.20 mm]

Application		X (Single Row)	X (Double Row)	Y
Perpendicular boards - vertical board receptacle and horizontal shrouded header	F 1	0.157” [4.00 mm]	0.244” [6.20 mm]	0.236” [6.00 mm]
	F 2	0.157” [4.00 mm]	0.244” [6.20 mm]	0.244” [6.20 mm]

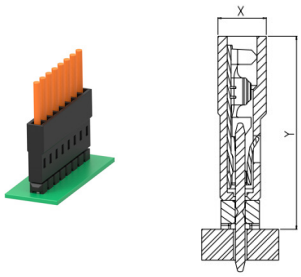
CONFIGURATIONS - CONTINUED

BOARD-TO-BOARD

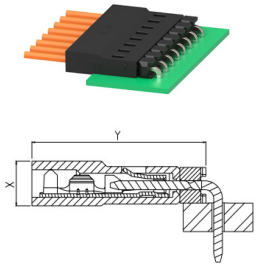


Application		X (Single Row)	X (Double Row)	Y
Perpendicular boards - horizontal board receptacle and vertical breakaway header	A 3	0.083" [2.10 mm]	0.161" [4.10 mm]	0.244" [6.20 mm]
	B 3	0.083" [2.10 mm]	0.161" [4.10 mm]	0.293" [7.45 mm]
	A 4	0.093" [2.35 mm]	0.172" [4.36 mm]	0.244" [6.20 mm]
	B 4	0.093" [2.35 mm]	0.172" [4.36 mm]	0.293" [7.45 mm]

WIRE-TO-BOARD



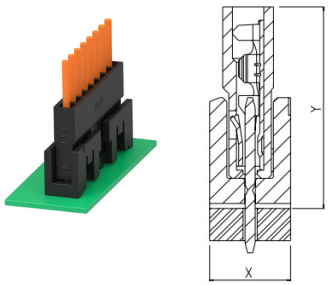
Application	Row	Crimp		IDC	
Perpendicular to PCB – non-latching solution - breakaway header and standard wire receptacle (no latches)		X	Y	X	Y
A 5	Single row	0.099" [2.51 mm]	0.394" [10.00 mm]	0.094" [2.4 mm]	0.57" [14.50 mm]
	Double row	0.185" [4.70 mm]	0.394" [10.00 mm]	-	-
B 5	Single row	0.099" [2.51 mm]	0.443" [11.25 mm]	0.094" [2.4 mm]	0.62" [15.75 mm]
	Double row	0.185" [4.70 mm]	0.443" [11.25 mm]	-	-



Application	Row	Crimp		IDC	
Parallel to PCB - non-latching solution - breakaway header and standard wire receptacle (no latches)		X	Y	X	Y
C 5	Single row	0.099" [2.51 mm]	0.394" [10.00 mm]	0.094" [2.4 mm]	0.57" [14.50 mm]
	Double row	0.185" [4.70 mm]	0.394" [10.00 mm]	-	-

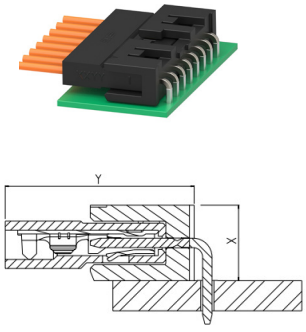
CONFIGURATIONS - CONTINUED

WIRE-TO-BOARD



Application	Row	Crimp		IDC	
Perpendicular to PCB - non-latching solution - shrouded header with detent latches and standard wire receptacle (no latches)		X	Y	X	Y
D 5	Single row	0.157" [4.00 mm]	0.394" [10.00 mm]	0.157" [4.00 mm]	0.57" [14.50 mm]
	Double row	0.244" [6.20 mm]	0.394" [10.00 mm]	-	-
E 5	Single row	0.157" [4.00 mm]	0.443" [11.25 mm]	0.157" [4.00 mm]	0.62" [15.75 mm]
	Double row	0.244" [6.20 mm]	0.443" [11.25 mm]	-	-

Application	Row	Crimp		IDC	
Perpendicular to PCB - detent latching solutions - shrouded header with detent latches and wire receptacle with detent latches		X	Y	X	Y
D 6	Single row	0.157" [4.00 mm]	0.394" [10.00 mm]	0.157" [4.00 mm]	.57" [14.50 mm]
	Double row	0.244" [6.20 mm]	0.394" [10.00 mm]	-	-
E 6	Single row	0.157" [4.00 mm]	0.443" [11.25 mm]	0.157" [4.00 mm]	0.62" [15.75 mm]
	Double row	0.244" [6.20 mm]	0.443" [11.25 mm]	-	-

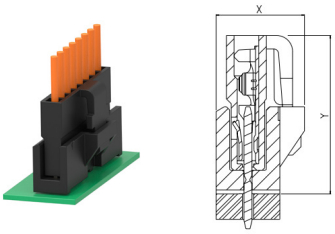


Application	Row	Crimp		IDC	
Parallel to PCB – non-latching solution - shrouded header with detent latches and standard wire receptacle (no latches)		X	Y	X	Y
F 5	Single row	0.157" [4.00 mm]	0.394" [10.00 mm]	0.157" [4.00 mm]	0.57" [14.50 mm]
	Double row	0.244" [6.20 mm]	0.394" [10.00 mm]	-	-

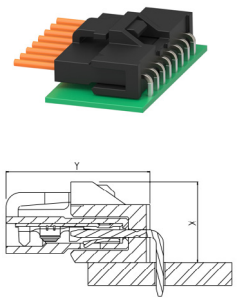
Application	Row	Crimp		IDC	
Parallel to PCB - detent latching solution - shrouded header with detent latches and wire receptacle with detent latches		X	Y	X	Y
F 6	Single row	0.157" [4.00 mm]	0.394" [10.00 mm]	0.157" [4.00 mm]	0.57" [14.50 mm]
	Double row	0.244" [6.20 mm]	0.394" [10.00 mm]	-	-

CONFIGURATIONS - CONTINUED

WIRE-TO-BOARD



Application	Row	Crimp		IDC	
Perpendicular to PCB – positive latching solution - shrouded header with positive latch wire and wire receptacle with positive latch		X	Y	X	Y
G 7	Single row	0.218" [5.54 mm]	0.394" [10.00 mm]	0.218" [5.54 mm]	0.57" [14.50 mm]
	Double row	0.305" [7.74 mm]	0.394" [10.00 mm]	-	-
H 7	Single row	0.218" [5.54 mm]	0.443" [11.25 mm]	0.218" [5.54 mm]	0.62" [15.75 mm]
	Double row	0.305" [7.74 mm]	0.443" [11.25 mm]	-	-



Application	Row	Crimp		IDC	
Parallel to PCB – positive latching solution - shrouded header with positive latch and wire receptacle with positive latch		X	Y	X	Y
J 7	Single row	0.218" [5.54 mm]	0.394" [10.00 mm]	0.218" [5.54 mm]	0.57" [14.50 mm]
	Double row	0.305" [7.74 mm]	0.394" [10.00 mm]	-	-

BREAKAWAY HEADERS

SMART PART NUMBER DEFINITION

2MM - HB - _ _ - _ - _ - _ - _

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

HB	Breakaway headers

NUMBER OF ROWS (3)

S	Single row
D	Double row

NUMBER OF PINS PER ROW (4)

##	02 thru 25 per row (enter two digits)

ORIENTATION & TERMINATION (5)

VT	Vertical through hole
VS	Vertical surface mount
HT	Horizontal through hole

**see table DESIGN NAVIGATOR for guidance*

TAIL LENGTH (6)

00	N/A for surface mount
01	0.087“ [2.2 mm]
02	0.110“ [2.8 mm]

**select allowable Tail Length from table DESIGN NAVIGATOR*

PLATING (7)

T	Tin
F	4µ" [0.1 µm] Gold (gold flash)
M	15µ" [0.38 µm] Gold
H	30µ" [0.76 µm] Gold

PACKAGING (8)

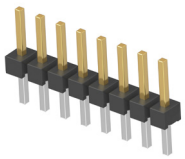
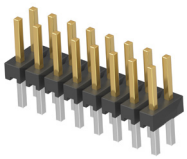
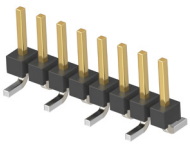
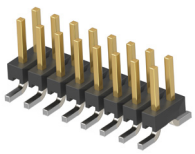
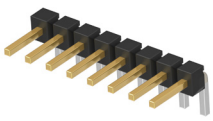
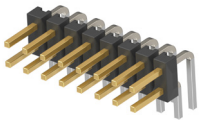
TB	Tube without cap
TBP	Tube with cap (N/A for 2 and 3 positions per row)
TRP	Tape and reel with cap

**select allowable Packaging from table DESIGN NAVIGATOR*

SMART PN EXAMPLES

- AMPMODU 2 mm, breakaway header, double row, 20 positions (2 x 10), vertical surface mount, tail length: N/A, tin, T&R with cap: **2MM-HB-D10-VS-00-T-TRP**

DESIGN NAVIGATOR

Orientation & Termination		Tail Length		Packaging
VT	 	01	0.087“ [2.2 mm]	TB
				TBP
				TRP
		02	0.110“ [2.8 mm]	TB
				TBP
				TRP
VS	 	00	-	TRP
				TBP
HT	 	01	0.087“ [2.2 mm]	TB
				TBP
				TRP
		02	0.110“ [2.8 mm]	TB
				TBP
				TRP

BREAKAWAY HEADERS

SINGLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823074	0.087" [2.2mm]	2823074	2823078	2823082	2823086	Tube w/o cap	2-25
			2MM-HB-SXX-VT-01-T-TB	2MM-HB-SXX-VT-01-F-TB	2MM-HB-SXX-VT-01-M-TB	2MM-HB-SXX-VT-01-H-TB		
			2823651	2823652	2823653	2823654	Tube w/ cap	3-25
			2MM-HB-SXX-VT-01-T-TBP	2MM-HB-SXX-VT-01-F-TBP	2MM-HB-SXX-VT-01-M-TBP	2MM-HB-SXX-VT-01-H-TBP		
			2823465	2823466	2823467	2823468	T&R w/ cap	2-25
			2MM-HB-SXX-VT-01-T-TRP	2MM-HB-SXX-VT-01-F-TRP	2MM-HB-SXX-VT-01-M-TRP	2MM-HB-SXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823076	2823080	2823084	2823088	Tube w/o cap	2-25
			2MM-HB-SXX-VT-02-T-TB	2MM-HB-SXX-VT-02-F-TB	2MM-HB-SXX-VT-02-M-TB	2MM-HB-SXX-VT-02-H-TB		
			2823655	2823656	2823657	2823658	Tube w/ cap	3-25
			2MM-HB-SXX-VT-02-T-TBP	2MM-HB-SXX-VT-02-F-TBP	2MM-HB-SXX-VT-02-M-TBP	2MM-HB-SXX-VT-02-H-TBP		
			2823469	2823470	2823471	2823472	T&R w/ cap	2-25
			2MM-HB-SXX-VT-02-T-TRP	2MM-HB-SXX-VT-02-F-TRP	2MM-HB-SXX-VT-02-M-TRP	2MM-HB-SXX-VT-02-H-TRP		
Horizontal Through Hole	2823090	0.087" [2.2mm]	2823090	2823094	2823098	2823102	Tube w/o cap	2-25
			2MM-HB-SXX-HT-01-T-TB	2MM-HB-SXX-HT-01-F-TB	2MM-HB-SXX-HT-01-M-TB	2MM-HB-SXX-HT-01-H-TB		
			2823671	2823672	2823673	2823674	Tube w/ cap	3-25
			2MM-HB-SXX-HT-01-T-TBP	2MM-HB-SXX-HT-01-F-TBP	2MM-HB-SXX-HT-01-M-TBP	2MM-HB-SXX-HT-01-H-TBP		
			2823481	2823482	2823483	2823484	T&R w/ cap	2-25
			2MM-HB-SXX-HT-01-T-TRP	2MM-HB-SXX-HT-01-F-TRP	2MM-HB-SXX-HT-01-M-TRP	2MM-HB-SXX-HT-01-H-TRP		
		0.110" [2.8mm]	2823092	2823096	2823100	2823104	Tube w/o cap	2-25
			2MM-HB-SXX-HT-02-T-TB	2MM-HB-SXX-HT-02-F-TB	2MM-HB-SXX-HT-02-M-TB	2MM-HB-SXX-HT-02-H-TB		
			2823683	2823684	2823685	2823686	Tube w/ cap	3-25
			2MM-HB-SXX-HT-02-T-TBP	2MM-HB-SXX-HT-02-F-TBP	2MM-HB-SXX-HT-02-M-TBP	2MM-HB-SXX-HT-02-H-TBP		
			2823485	2823486	2823487	2823488	T&R w/ cap	2-25
			2MM-HB-SXX-HT-02-T-TRP	2MM-HB-SXX-HT-02-F-TRP	2MM-HB-SXX-HT-02-M-TRP	2MM-HB-SXX-HT-02-H-TRP		
Vertical Surface Mount	2823106	-	2823106	2823107	2823108	2823109	T&R w/ cap	2-25
			2MM-HB-SXX-VS-00-T-TRP	2MM-HB-SXX-VS-00-F-TRP	2MM-HB-SXX-VS-00-M-TRP	2MM-HB-SXX-VS-00-H-TRP		
			2823659	2823660	2823661	2823662	Tube w/ cap	3-25
			2MM-HB-SXX-VS-00-T-TBP	2MM-HB-SXX-VS-00-F-TBP	2MM-HB-SXX-VS-00-M-TBP	2MM-HB-SXX-VS-00-H-TBP		

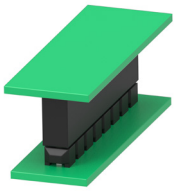
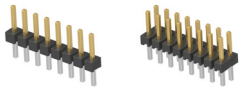
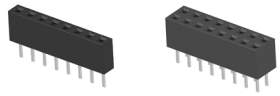
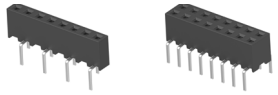
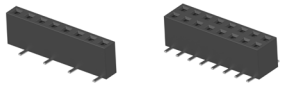
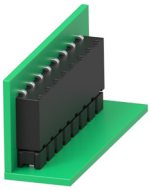
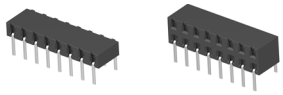
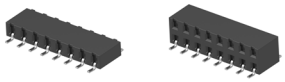
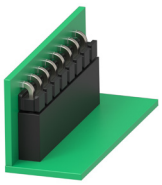
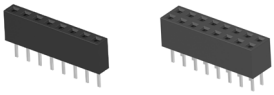
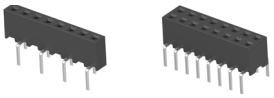
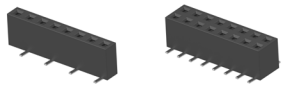
BREAKAWAY HEADERS

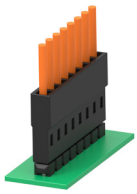
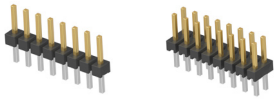
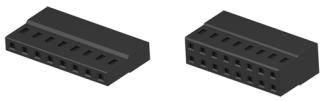
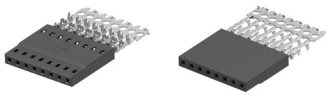
DOUBLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823110	0.087" [2.2mm]	2823110	2823114	2823118	2823122	Tube w/o cap	4-50
			2MM-HB-DXX-VT-01-T-TB	2MM-HB-DXX-VT-01-F-TB	2MM-HB-DXX-VT-01-M-TB	2MM-HB-DXX-VT-01-H-TB		
			2823739	2823740	2823741	2823742	Tube w/ cap	6-50
			2MM-HB-DXX-VT-01-T-TBP	2MM-HB-DXX-VT-01-F-TBP	2MM-HB-DXX-VT-01-M-TBP	2MM-HB-DXX-VT-01-H-TBP		
			2823473	2823474	2823475	2823476	T&R w/ cap	4-50
			2MM-HB-DXX-VT-01-T-TRP	2MM-HB-DXX-VT-01-F-TRP	2MM-HB-DXX-VT-01-M-TRP	2MM-HB-DXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823112	2823116	2823120	2823124	Tube w/o cap	4-50
			2MM-HB-DXX-VT-02-T-TB	2MM-HB-DXX-VT-02-F-TB	2MM-HB-DXX-VT-02-M-TB	2MM-HB-DXX-VT-02-H-TB		
			2823755	2823756	2823757	2823758	Tube w/ cap	6-50
			2MM-HB-DXX-VT-02-T-TBP	2MM-HB-DXX-VT-02-F-TBP	2MM-HB-DXX-VT-02-M-TBP	2MM-HB-DXX-VT-02-H-TBP		
			2823477	2823478	2823479	2823480	T&R w/ cap	4-50
			2MM-HB-DXX-VT-02-T-TRP	2MM-HB-DXX-VT-02-F-TRP	2MM-HB-DXX-VT-02-M-TRP	2MM-HB-DXX-VT-02-H-TRP		
Horizontal Through Hole	2823126	0.087" [2.2mm]	2823126	2823130	2823134	2823138	Tube w/o cap	4-50
			2MM-HB-DXX-HT-01-T-TB	2MM-HB-DXX-HT-01-F-TB	2MM-HB-DXX-HT-01-M-TB	2MM-HB-DXX-HT-01-H-TB		
			2823763	2823764	2823765	2823766	Tube w/ cap	6-50
			2MM-HB-DXX-HT-01-T-TBP	2MM-HB-DXX-HT-01-F-TBP	2MM-HB-DXX-HT-01-M-TBP	2MM-HB-DXX-HT-01-H-TBP		
			2823489	2823490	2823491	2823492	T&R w/ cap	4-50
			2MM-HB-DXX-HT-01-T-TRP	2MM-HB-DXX-HT-01-F-TRP	2MM-HB-DXX-HT-01-M-TRP	2MM-HB-DXX-HT-01-H-TRP		
		0.110" [2.8mm]	2823128	2823132	2823136	2823140	Tube w/o cap	4-50
			2MM-HB-DXX-HT-02-T-TB	2MM-HB-DXX-HT-02-F-TB	2MM-HB-DXX-HT-02-M-TB	2MM-HB-DXX-HT-02-H-TB		
			2823779	2823780	2823781	2823782	Tube w/ cap	6-50
			2MM-HB-DXX-HT-02-T-TBP	2MM-HB-DXX-HT-02-F-TBP	2MM-HB-DXX-HT-02-M-TBP	2MM-HB-DXX-HT-02-H-TBP		
			2823493	2823494	2823495	2823496	T&R w/ cap	4-50
			2MM-HB-DXX-HT-02-T-TRP	2MM-HB-DXX-HT-02-F-TRP	2MM-HB-DXX-HT-02-M-TRP	2MM-HB-DXX-HT-02-H-TRP		
Vertical Surface Mount	2823142	-	2823142	2823143	2823144	2823145	T&R w/ cap	4-50
			2MM-HB-DXX-VS-00-T-TRP	2MM-HB-DXX-VS-00-F-TRP	2MM-HB-DXX-VS-00-M-TRP	2MM-HB-DXX-VS-00-H-TRP		
			2823787	2823788	2823789	2823790	Tube w/ cap	6-50
			2MM-HB-DXX-VS-00-T-TBP	2MM-HB-DXX-VS-00-F-TBP	2MM-HB-DXX-VS-00-M-TBP	2MM-HB-DXX-VS-00-H-TBP		

BREAKAWAY HEADERS

MATEABLE PARTS

Breakaway Headers	B-t-B Orientation	Mateable Receptacles	
Vertical Orientation	Parallel 	**Vertical Board Receptacles**	**Page 15-16**
2MM - HB - _ _ - VT 		2MM - R - _ _ - VT 	
		2MM - R - _ _ - VTR 	
		2MM - R - _ _ - VS 	
2MM - HB - _ _ - VS 	Perpendicular 	**Horizontal Board Receptacles**	**Page 15-16**
		2MM - R - _ _ - HT 	
		2MM - R - _ _ - HS 	
Horizontal Orientation	Perpendicular 	**Vertical Board Receptacles**	**Page 15-16**
2MM - HB - _ _ - HT 		2MM - R - _ _ - VT 	
		2MM - R - _ _ - VTR 	
		2MM - R - _ _ - VS 	

Breakaway Headers	W-t-B Orientation	Mateable Receptacles			
Vertical Orientation		**Crimp Receptacles**	**Page 17-19**	**IDC Receptacles** *Single row Only*	**Page 20-22**
2MM - HB - _ _ - VT 		2MM - RC - _ _  Standard (No Latches)		2MM - RD- _ _  Standard (No Latches)	
2MM - HB - _ _ - VS 					
Horizontal Orientation					
2MM - HB - _ _ - HT 					

SHROUDED HEADERS – WITH DETENT LATCHES

SMART PART NUMBER DEFINITION

2MM - HSD - _ _ - _ - _ - _ - _

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

HSD	Shrouded headers with detent latches

NUMBER OF ROWS (3)

S	Single row
D	Double row

NUMBER OF PINS PER ROW (4)

##	02 thru 25 (enter two digits) • Single row: 02 thru 16 • Double row: 02 thru 16, 20, 22, 25 per row

ORIENTATION & TERMINATION (5)

VT	Vertical through hole
VS	Vertical surface mount
HT	Horizontal through hole

**see table DESIGN NAVIGATOR for guidance*

TAIL LENGTH (6)

00	N/A for surface mount
01	0.087“ [2.2 mm]
02	0.110“ [2.8 mm]

**select allowable Tail Length from table DESIGN NAVIGATOR*

PLATING (7)

T	Tin
F	4 µ" [0.1 µm] Gold (gold flash)
M	15 µ" [0.38 µm] Gold
H	30 µ" [0.76 µm] Gold

PACKAGING (8)

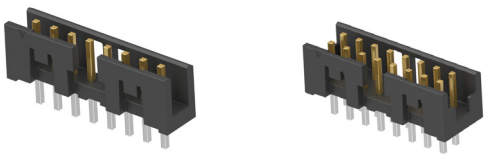
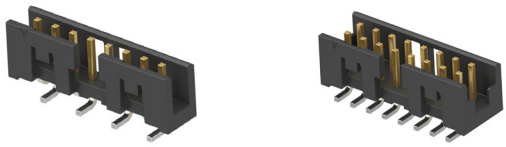
TB	Tube without cap
TBP	Tube with cap (N/A for 2 positions per row)
TRP	Tape and reel with cap (N/A for 2 positions per row for horizontal through hole)

**select allowable Packaging from table DESIGN NAVIGATOR*

SMART PN EXAMPLES

- AMPMODU 2 mm, shrouded header with detent latches, single row, 8 positions (1 x 8),horizontal through hole, 2.8 mm tail length, 15µ" [0.38µm] gold, tube without cap: **2MM-HSD-S08-HT-02-M-TB**

DESIGN NAVIGATOR

Orientation & Termination		Tail Length		Packaging
VT		01	0.087“ [2.2 mm]	TB
				TBP
				TRP
		02	0.110“ [2.8 mm]	TB
				TBP
				TRP
VS		00	-	TRP
				TBP
HT		01	0.087“ [2.2 mm]	TB
				TBP
				TRP
		02	0.110“ [2.8 mm]	TB
				TBP
				TRP

SHROUDED HEADERS – WITH DETENT LATCHES

SINGLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823372	0.087" [2.2mm]	2823372	2823375	2823378	2823381	Tube w/o cap	2-16
			2MM-HSD-SXX-VT-01-T-TB	2MM-HSD-SXX-VT-01-F-TB	2MM-HSD-SXX-VT-01-M-TB	2MM-HSD-SXX-VT-01-H-TB		
			2823839	2823840	2823841	2823842	Tube w/ cap	3-16
			2MM-HSD-SXX-VT-01-T-TBP	2MM-HSD-SXX-VT-01-F-TBP	2MM-HSD-SXX-VT-01-M-TBP	2MM-HSD-SXX-VT-01-H-TBP		
			2823497	2823498	2823499	2823500	T&R w/ cap	2-16
			2MM-HSD-SXX-VT-01-T-TRP	2MM-HSD-SXX-VT-01-F-TRP	2MM-HSD-SXX-VT-01-M-TRP	2MM-HSD-SXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823373	2823376	2823379	2823382	Tube w/o cap	2-16
			2MM-HSD-SXX-VT-02-T-TB	2MM-HSD-SXX-VT-02-F-TB	2MM-HSD-SXX-VT-02-M-TB	2MM-HSD-SXX-VT-02-H-TB		
			2823847	2823848	2823849	2823850	Tube w/ cap	3-16
			2MM-HSD-SXX-VT-02-T-TBP	2MM-HSD-SXX-VT-02-F-TBP	2MM-HSD-SXX-VT-02-M-TBP	2MM-HSD-SXX-VT-02-H-TBP		
			2823501	2823502	2823503	2823504	T&R w/ cap	2-16
			2MM-HSD-SXX-VT-02-T-TRP	2MM-HSD-SXX-VT-02-F-TRP	2MM-HSD-SXX-VT-02-M-TRP	2MM-HSD-SXX-VT-02-H-TRP		
Horizontal Through Hole	2823384	0.087" [2.2mm]	2823384	2823387	2823390	2823393	Tube w/o cap	2-16
			2MM-HSD-SXX-HT-01-T-TB	2MM-HSD-SXX-HT-01-F-TB	2MM-HSD-SXX-HT-01-M-TB	2MM-HSD-SXX-HT-01-H-TB		
			2823855	2823856	2823857	2823858	Tube w/ cap	3-16
			2MM-HSD-SXX-HT-01-T-TBP	2MM-HSD-SXX-HT-01-F-TBP	2MM-HSD-SXX-HT-01-M-TBP	2MM-HSD-SXX-HT-01-H-TBP		
			2823513	2823514	2823515	2823516	T&R w/ cap	3-16
			2MM-HSD-SXX-HT-01-T-TRP	2MM-HSD-SXX-HT-01-F-TRP	2MM-HSD-SXX-HT-01-M-TRP	2MM-HSD-SXX-HT-01-H-TRP		
		0.110" [2.8mm]	2823385	2823388	2823391	2823394	Tube w/o cap	2-16
			2MM-HSD-SXX-HT-02-T-TB	2MM-HSD-SXX-HT-02-F-TB	2MM-HSD-SXX-HT-02-M-TB	2MM-HSD-SXX-HT-02-H-TB		
			2823863	2823864	2823865	2823866	Tube w/ cap	3-16
			2MM-HSD-SXX-HT-02-T-TBP	2MM-HSD-SXX-HT-02-F-TBP	2MM-HSD-SXX-HT-02-M-TBP	2MM-HSD-SXX-HT-02-H-TBP		
			2823517	2823518	2823519	2823520	T&R w/ cap	3-16
			2MM-HSD-SXX-HT-02-T-TRP	2MM-HSD-SXX-HT-02-F-TRP	2MM-HSD-SXX-HT-02-M-TRP	2MM-HSD-SXX-HT-02-H-TRP		
Vertical Surface Mount	2823396	-	2823396	2823397	2823398	2823399	T&R w/ cap	2-16
			2MM-HSD-SXX-VS-00-T-TRP	2MM-HSD-SXX-VS-00-F-TRP	2MM-HSD-SXX-VS-00-M-TRP	2MM-HSD-SXX-VS-00-H-TRP		
			2823871	2823872	2823873	2823874	Tube w/ cap	3-16
			2MM-HSD-SXX-VS-00-T-TBP	2MM-HSD-SXX-VS-00-F-TBP	2MM-HSD-SXX-VS-00-M-TBP	2MM-HSD-SXX-VS-00-H-TBP		

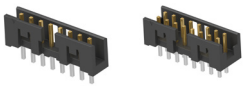
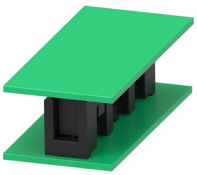
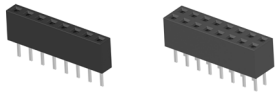
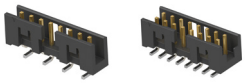
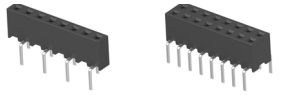
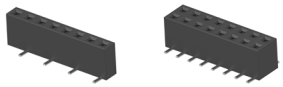
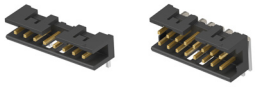
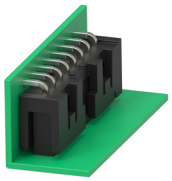
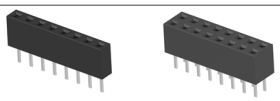
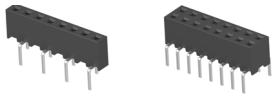
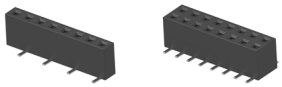
SHROUDED HEADERS – WITH DETENT LATCHES

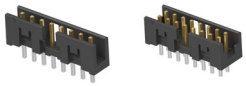
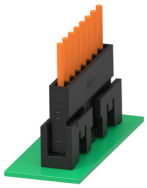
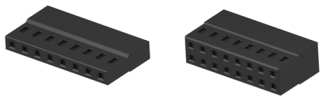
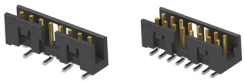
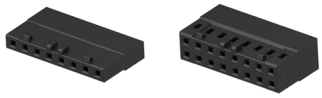
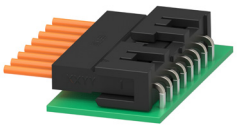
DOUBLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823335	0.087" [2.2mm]	2823335	2823338	2823341	2823344	Tube w/o cap	4-32, 40, 44, 50
			2MM-HSD-DXX-VT-01-T-TB	2MM-HSD-DXX-VT-01-F-TB	2MM-HSD-DXX-VT-01-M-TB	2MM-HSD-DXX-VT-01-H-TB		
			2823875	2823876	2823877	2823878	Tube w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-VT-01-T-TBP	2MM-HSD-DXX-VT-01-F-TBP	2MM-HSD-DXX-VT-01-M-TBP	2MM-HSD-DXX-VT-01-H-TBP		
			2823505	2823506	2823507	2823508	T&R w/ cap	4-32, 40, 44, 50
			2MM-HSD-DXX-VT-01-T-TRP	2MM-HSD-DXX-VT-01-F-TRP	2MM-HSD-DXX-VT-01-M-TRP	2MM-HSD-DXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823336	2823339	2823342	2823345	Tube w/o cap	4-32, 40, 44, 50
			2MM-HSD-DXX-VT-02-T-TB	2MM-HSD-DXX-VT-02-F-TB	2MM-HSD-DXX-VT-02-M-TB	2MM-HSD-DXX-VT-02-H-TB		
			2823883	2823884	2823885	2823886	Tube w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-VT-02-T-TBP	2MM-HSD-DXX-VT-02-F-TBP	2MM-HSD-DXX-VT-02-M-TBP	2MM-HSD-DXX-VT-02-H-TBP		
			2823509	2823510	2823511	2823512	T&R w/ cap	4-32, 40, 44, 50
			2MM-HSD-DXX-VT-02-T-TRP	2MM-HSD-DXX-VT-02-F-TRP	2MM-HSD-DXX-VT-02-M-TRP	2MM-HSD-DXX-VT-02-H-TRP		
Horizontal Through Hole	2823351	0.087" [2.2mm]	2823352	2823355	2823358	2823361	Tube w/o cap	4-32, 40, 44, 50
			2MM-HSD-DXX-HT-01-T-TB	2MM-HSD-DXX-HT-01-F-TB	2MM-HSD-DXX-HT-01-M-TB	2MM-HSD-DXX-HT-01-H-TB		
			2823899	2823900	2823901	2823902	Tube w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-HT-01-T-TBP	2MM-HSD-DXX-HT-01-F-TBP	2MM-HSD-DXX-HT-01-M-TBP	2MM-HSD-DXX-HT-01-H-TBP		
			2823521	2823522	2823523	2823524	T&R w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-HT-01-T-TRP	2MM-HSD-DXX-HT-01-F-TRP	2MM-HSD-DXX-HT-01-M-TRP	2MM-HSD-DXX-HT-01-H-TRP		
		0.110" [2.8mm]	2823351	2823354	2823357	2823360	Tube w/o cap	4-32, 40, 44, 50
			2MM-HSD-DXX-HT-02-T-TB	2MM-HSD-DXX-HT-02-F-TB	2MM-HSD-DXX-HT-02-M-TB	2MM-HSD-DXX-HT-02-H-TB		
			2823891	2823892	2823893	2823894	Tube w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-HT-02-T-TBP	2MM-HSD-DXX-HT-02-F-TBP	2MM-HSD-DXX-HT-02-M-TBP	2MM-HSD-DXX-HT-02-H-TBP		
			2823525	2823526	2823527	2823528	T&R w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-HT-02-T-TRP	2MM-HSD-DXX-HT-02-F-TRP	2MM-HSD-DXX-HT-02-M-TRP	2MM-HSD-DXX-HT-02-H-TRP		
Vertical Surface Mount	2823367	-	2823367	2823368	2823369	2823370	T&R w/ cap	4-32, 40, 44, 50
			2MM-HSD-DXX-VS-00-T-TRP	2MM-HSD-DXX-VS-00-F-TRP	2MM-HSD-DXX-VS-00-M-TRP	2MM-HSD-DXX-VS-00-H-TRP		
			2823907	2823908	2823909	2823910	Tube w/ cap	6-32, 40, 44, 50
			2MM-HSD-DXX-VS-00-T-TBP	2MM-HSD-DXX-VS-00-F-TBP	2MM-HSD-DXX-VS-00-M-TBP	2MM-HSD-DXX-VS-00-H-TBP		

SHROUDED HEADERS – WITH DETENT LATCHES

MATEABLE PARTS

Shrouded Headers w/ Detent Latches	B-t-B Orientation	Mateable Receptacles	
Vertical Orientation	Parallel	**Vertical Board Receptacles**	**Page 15-16**
2MM - HSD - _ _ - VT 		2MM - R - _ _ - VT	
2MM - HSD - _ _ - VS 		2MM - R - _ _ - VTR	
		2MM - R - _ _ - VS	
Horizontal Orientation	Perpendicular	**Vertical Board Receptacles**	**Page 15-16**
2MM - HSD - _ _ - HT 		2MM - R - _ _ - VT	
		2MM - R - _ _ - VTR	
		2MM - R - _ _ - VS	

Shrouded Headers w/ Detent Latches	W-t-B Orientation	Mateable Receptacles			
Vertical Orientation		**Crimp Receptacles**	**Page 17-19**	**IDC Receptacles** *Single row Only*	**Page 20-22**
2MM - HSD - _ _ - VT 		2MM - RC - _ _  Standard (No Latches)		2MM - RD- _ _  Standard (No Latches)	
2MM - HSD - _ _ - VS 		2MM - RCD - _ _  W/ Detent Latches		2MM - RDD- _ _  W/ Detent Latches	
Horizontal Orientation					
2MM - HSD - _ _ - HT 					

SHROUDED HEADERS – WITH POSITIVE LATCH

SMART PART NUMBER DEFINITION

2MM - HSP - _ _ - _ - _ - _ - _

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

HSP	Shrouded headers with positive latch

NUMBER OF ROWS (3)

S	Single row
D	Double row

NUMBER OF PINS PER ROW (4)

##	03 thru 16 per row (enter two digits)

ORIENTATION & TERMINATION (5)

VT	Vertical through hole
VS	Vertical surface mount
HT	Horizontal through hole

**see table DESIGN NAVIGATOR for guidance*

TAIL LENGTH (6)

00	N/A for surface mount
01	0.087“ [2.2 mm]
02	0.110“ [2.8 mm]

**select allowable Tail Length from table DESIGN NAVIGATOR*

PLATING (7)

T	Tin
M	15 µ” [0.38 µm] Gold
H	30 µ” [0.76 µm] Gold

PACKAGING (8)

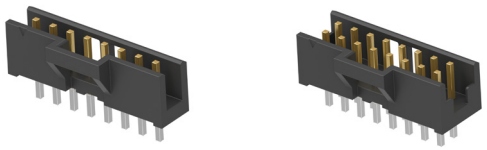
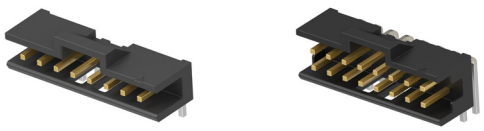
TB	Tube without cap
TBP	Tube with cap
TR	Tape and reel without cap
TRP	Tape and reel with cap

**select allowable Packaging from table DESIGN NAVIGATOR*

SMART PN EXAMPLES

- AMPMODU 2 mm, shrouded header with positive latch, double row, 16 positions (2 x 8), vertical through hole, 2.2 mm tail length, 30µ” [0.76µm] gold, tube without cap: **2MM-HSP-D08-VT-01-H-TB**

DESIGN NAVIGATOR

Orientation & Termination		Tail Length		Packaging
VT		01	0.087“ [2.2 mm]	TB
				TBP
				TRP
		02	0.110“ [2.8 mm]	TB
				TBP
				TRP
VS		00	-	TRP
				TBP
HT		01	0.087“ [2.2 mm]	TB
				TR
		02	0.110“ [2.8 mm]	TB
				TR

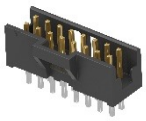
SHROUDED HEADERS – WITH POSITIVE LATCH

SINGLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823174	0.087" [2.2mm]	2823174	Up On Request	2823179	2823183	Tube w/o cap	3-16
			2MM-HSP-SXX-VT-01-T-TB	-	2MM-HSP-SXX-VT-01-M-TB	2MM-HSP-SXX-VT-01-H-TB		
			2823911	Up On Request	2823912	2823913	Tube w/ cap	3-16
			2MM-HSP-SXX-VT-01-T-TBP	-	2MM-HSP-SXX-VT-01-M-TBP	2MM-HSP-SXX-VT-01-H-TBP		
			2823529	Up On Request	2823530	2823531	T&R w/ cap	3-16
			2MM-HSP-SXX-VT-01-T-TRP	-	2MM-HSP-SXX-VT-01-M-TRP	2MM-HSP-SXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823400	Up On Request	2823401	2823402	Tube w/o cap	3-16
			2MM-HSP-SXX-VT-02-T-TB	-	2MM-HSP-SXX-VT-02-M-TB	2MM-HSP-SXX-VT-02-H-TB		
			2823917	Up On Request	2823918	2823919	Tube w/ cap	3-16
			2MM-HSP-SXX-VT-02-T-TBP	-	2MM-HSP-SXX-VT-02-M-TBP	2MM-HSP-SXX-VT-02-H-TBP		
			2823532	Up On Request	2823533	2823534	T&R w/ cap	3-16
			2MM-HSP-SXX-VT-02-T-TRP	-	2MM-HSP-SXX-VT-02-M-TRP	2MM-HSP-SXX-VT-02-H-TRP		
Horizontal Through Hole	2823187	0.087" [2.2mm]	2823187	Up On Request	2823191	2823194	Tube w/o cap	3-16
			2MM-HSP-SXX-HT-01-T-TB	-	2MM-HSP-SXX-HT-01-M-TB	2MM-HSP-SXX-HT-01-H-TB		
			2823541	Up On Request	2823542	2823543	T&R w/o cap	3-16
			2MM-HSP-SXX-HT-01-T-TR	-	2MM-HSP-SXX-HT-01-M-TR	2MM-HSP-SXX-HT-01-H-TR		
		0.110" [2.8mm]	2823403	Up On Request	2823404	2823405	Tube w/o cap	3-16
			2MM-HSP-SXX-HT-02-T-TB	-	2MM-HSP-SXX-HT-02-M-TB	2MM-HSP-SXX-HT-02-H-TB		
			2823544	Up On Request	2823545	2823546	T&R w/o cap	3-16
			2MM-HSP-SXX-HT-02-T-TR	-	2MM-HSP-SXX-HT-02-M-TR	2MM-HSP-SXX-HT-02-H-TR		
Vertical Surface Mount	2823199	-	2823199	Up On Request	2823203	2823207	T&R w/ cap	3-16
			2MM-HSP-SXX-VS-00-T-TRP	-	2MM-HSP-SXX-VS-00-M-TRP	2MM-HSP-SXX-VS-00-H-TRP		
			2823929	Up On Request	2823930	2823931	Tube w/ cap	3-16
			2MM-HSP-SXX-VS-00-T-TBP	-	2MM-HSP-SXX-VS-00-M-TBP	2MM-HSP-SXX-VS-00-H-TBP		

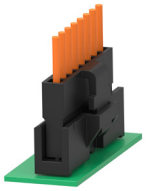
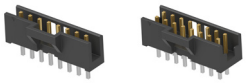
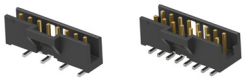
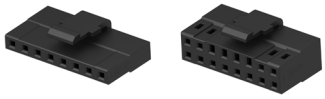
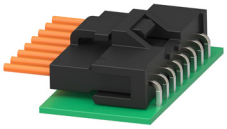
SHROUDED HEADERS – WITH POSITIVE LATCH

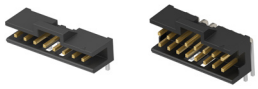
DOUBLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2823211	0.087" [2.2mm]	2823211	Up On Request	2823214	2823219	Tube w/o cap	6~32
			2MM-HSP-DXX-VT-01-T-TB	-	2MM-HSP-DXX-VT-01-M-TB	2MM-HSP-DXX-VT-01-H-TB		
			2823932	Up On Request	2823933	2823934	Tube w/ cap	6~32
			2MM-HSP-DXX-VT-01-T-TBP	-	2MM-HSP-DXX-VT-01-M-TBP	2MM-HSP-DXX-VT-01-H-TBP		
			2823535	Up On Request	2823536	2823537	T&R w/ cap	6~32
			2MM-HSP-DXX-VT-01-T-TRP	-	2MM-HSP-DXX-VT-01-M-TRP	2MM-HSP-DXX-VT-01-H-TRP		
		0.110" [2.8mm]	2823406	Up On Request	2823407	2823408	Tube w/o cap	6~32
			2MM-HSP-DXX-VT-02-T-TB	-	2MM-HSP-DXX-VT-02-M-TB	2MM-HSP-DXX-VT-02-H-TB		
			2823938	Up On Request	2823939	2823940	Tube w/ cap	6~32
			2MM-HSP-DXX-VT-02-T-TBP	-	2MM-HSP-DXX-VT-02-M-TBP	2MM-HSP-DXX-VT-02-H-TBP		
			2823538	Up On Request	2823539	2823540	T&R w/ cap	6~32
			2MM-HSP-DXX-VT-02-T-TRP	-	2MM-HSP-DXX-VT-02-M-TRP	2MM-HSP-DXX-VT-02-H-TRP		
Horizontal Through Hole	2823224	0.087" [2.2mm]	2823224	Up On Request	2823228	2823232	Tube w/o cap	6~32
			2MM-HSP-DXX-HT-01-T-TB	-	2MM-HSP-DXX-HT-01-M-TB	2MM-HSP-DXX-HT-01-H-TB		
			2823547	Up On Request	2823548	2823549	T&R w/o cap	6~32
			2MM-HSP-DXX-HT-01-T-TR	-	2MM-HSP-DXX-HT-01-M-TR	2MM-HSP-DXX-HT-01-H-TR		
		0.110" [2.8mm]	2823409	Up On Request	2823410	2823411	Tube w/o cap	6~32
			2MM-HSP-DXX-HT-02-T-TB	-	2MM-HSP-DXX-HT-02-M-TB	2MM-HSP-DXX-HT-02-H-TB		
			2823550	Up On Request	2823551	2823552	T&R w/o cap	6~32
			2MM-HSP-DXX-HT-02-T-TR	-	2MM-HSP-DXX-HT-02-M-TR	2MM-HSP-DXX-HT-02-H-TR		
Vertical Surface Mount	2823235	-	2823235	Up On Request	2823240	2823244	T&R w/ cap	6~32
			2MM-HSP-DXX-VS-00-T-TRP	-	2MM-HSP-DXX-VS-00-M-TRP	2MM-HSP-DXX-VS-00-H-TRP		
			2823950	Up On Request	2823951	2823952	Tube w/ cap	6~32
			2MM-HSP-DXX-VS-00-T-TBP	-	2MM-HSP-DXX-VS-00-M-TBP	2MM-HSP-DXX-VS-00-H-TBP		

SHROUDED HEADERS – WITH POSITIVE LATCH

MATEABLE PARTS

<table>
<tr><th>Shrouded Headers w/ Positive Latch</th><th>W-t-B Orientation</th><th colspan="3">Mateable Receptacles</th></tr>
<tr><td>Vertical Orientation</td><td rowspan="2"></td><td>Crimp Receptacles</td><td>Page 17-19</td><td rowspan="2">IDC Receptacles
Single row Only
Page 20-22</td></tr>
<tr><td>2MM - HSP - _ _ - VT

2MM - HSP - _ _ - VS
</td><td colspan="2" rowspan="2">2MM - RCP - _ _

W/ Positive Latch</td></tr>
<tr><td>Horizontal Orientation</td><td rowspan="2"></td><td rowspan="2">2MM – RDP - _ _

W/ Positive Latch</td></tr>
<tr><td>2MM - HSP - _ _ - HT
</td></tr>
</table>

BOARD RECEPTACLES

SMART PART NUMBER DEFINITION

2MM - R - _ _ - _ - _ - _ - _

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

R	Receptacle

NUMBER OF ROWS (3)

S	Single row
D	Double row

NUMBER OF POSITIONS PER ROW (4)

##	02 thru 25 per row (enter two digits)

ORIENTATION & TERMINATION (5)

VT	Vertical through hole
VTR	Vertical through hole outrigger
VS	Vertical surface mount
HT	Horizontal through hole
HS	Horizontal surface mount

**see table DESIGN NAVIGATOR for guidance*

TAIL LENGTH (6)

00	N/A for surface mount
01	0.079 - 0.091" [2.0 - 2.3 mm]
02	0.106 – 0.110" [2.7 - 2.8 mm]
03	0.126 – 0.134" [3.2 - 3.4 mm]

**select allowable Tail Length from table DESIGN NAVIGATOR*

PLATING (7)

T	Tin
F	4µ" [0.1 µm] Gold (Gold flash)
M	15µ" [0.38 µm] Gold
H	30µ" [0.76 µm] Gold

PACKAGING (8)

TB	Tube without cap
TBP	Tube with cap
TR	Tape and reel without cap
TRP	Tape and reel with cap

**select allowable Packaging from table DESIGN NAVIGATOR*

SMART PN EXAMPLES

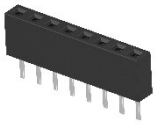
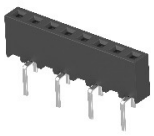
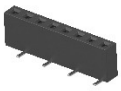
- AMPMODU 2 mm, board receptacle, double row, 8 positions (2 x 4), horizontal SMT, tail length: N/A, gold flash, T&R without cap: **2MM-R-D04-HS-00-F-TR**

DESIGN NAVIGATOR

Orientation & Termination		Tail Length		Packaging
VT		01	0.079" [2.0 mm]	TRP
				TBP
		02	0.106" [2.7 mm]	TRP
				TBP
				TB
		03	0.126" [3.2 mm]	TB
VTR		01	0.091" [2.3 mm]	TRP
				TBP
		02	0.110" [2.8 mm]	TRP
				TBP
				TB
		03	0.134" [3.4 mm]	TB
VS		00	-	TRP
				TBP
HT		01	0.083" [2.1 mm]	TR
				TB
		02	0.110" [2.8 mm]	TR
				TB
		03	0.134" [3.4 mm]	TB
HS		00	-	TB
				TR

BOARD RECEPTACLES

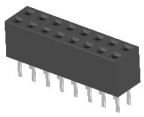
SINGLE ROW

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2307764	0.079" [2.0mm]	2307764	2307767	2307770	2307773	T&R w/ cap	2-25
			2MM-R-SXX-VT-01-T-TRP	2MM-R-SXX-VT-01-F-TRP	2MM-R-SXX-VT-01-M-TRP	2MM-R-SXX-VT-01-H-TRP		
			2314867	2314868	2314869	2314870	Tube w/ cap	
			2MM-R-SXX-VT-01-T-TBP	2MM-R-SXX-VT-01-F-TBP	2MM-R-SXX-VT-01-M-TBP	2MM-R-SXX-VT-01-H-TBP		
		0.106" [2.7mm]	2307765	2307768	2307771	2307774	T&R w/ cap	
			2MM-R-SXX-VT-02-T-TRP	2MM-R-SXX-VT-02-F-TRP	2MM-R-SXX-VT-02-M-TRP	2MM-R-SXX-VT-02-H-TRP		
			2314879	2314880	2314881	2314882	Tube w/ cap	
			2MM-R-SXX-VT-02-T-TBP	2MM-R-SXX-VT-02-F-TBP	2MM-R-SXX-VT-02-M-TBP	2MM-R-SXX-VT-02-H-TBP		
			2314875	2314876	2314877	2314878	Tube w/o cap	
			2MM-R-SXX-VT-02-T-TB	2MM-R-SXX-VT-03-F-TB	2MM-R-SXX-VT-02-M-TB	2MM-R-SXX-VT-02-H-TB		
		0.126" [3.2mm]	2307766	2307769	2307772	2307775	Tube w/o cap	
			2MM-R-SXX-VT-03-T-TB	2MM-R-SXX-VT-03-F-TB	2MM-R-SXX-VT-03-M-TB	2MM-R-SXX-VT-03-H-TB		
Vertical Through Hole Outrigger	2307832	0.091" [2.3mm]	2307832	2307835	2307838	2307841	T&R w/ cap	2-25
			2MM-R-SXX-VTR-01-T-TRP	2MM-R-SXX-VTR-01-F-TRP	2MM-R-SXX-VTR-01-M-TRP	2MM-R-SXX-VTR-01-H-TRP		
			2314899	2314900	2314901	2314902	Tube w/ cap	
			2MM-R-SXX-VTR-01-T-TBP	2MM-R-SXX-VTR-01-F-TBP	2MM-R-SXX-VTR-01-M-TBP	2MM-R-SXX-VTR-01-H-TBP		
		0.110" [2.8mm]	2307833	2307836	2307839	2307842	T&R w/ cap	
			2MM-R-SXX-VTR-02-T-TRP	2MM-R-SXX-VTR-02-F-TRP	2MM-R-SXX-VTR-02-M-TRP	2MM-R-SXX-VTR-02-H-TRP		
			2314911	2314912	2338990	2314914	Tube w/ cap	
			2MM-R-SXX-VTR-02-T-TBP	2MM-R-SXX-VTR-02-F-TBP	2MM-R-SXX-VTR-02-M-TBP	2MM-R-SXX-VTR-02-H-TBP		
			2314907	2314908	2314909	2314910	Tube w/o cap	
			2MM-R-SXX-VTR-02-T-TB	2MM-R-SXX-VTR-02-F-TB	2MM-R-SXX-VTR-02-M-TB	2MM-R-SXX-VTR-02-H-TB		
		0.134" [3.4mm]	2307834	2307837	2307840	2307843	Tube w/o cap	
			2MM-R-SXX-VTR-03-T-TB	2MM-R-SXX-VTR-03-F-TB	2MM-R-SXX-VTR-03-M-TB	2MM-R-SXX-VTR-03-H-TB		
Vertical Surface Mount	2307812	-	2307812	2307813	2307814	2307815	T&R w/ cap	2-25
			2MM-R-SXX-VS-00-T-TRP	2MM-R-SXX-VS-00-F-TRP	2MM-R-SXX-VS-00-M-TRP	2MM-R-SXX-VS-00-H-TRP		
			2314847	2314848	2314849	2314850	Tube w/ cap	
			2MM-R-SXX-VS-00-T-TBP	2MM-R-SXX-VS-00-F-TBP	2MM-R-SXX-VS-00-M-TBP	2MM-R-SXX-VS-00-H-TBP		

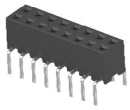
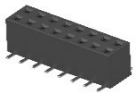
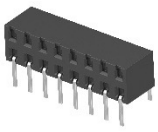
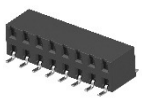
AMPMODU 2 MM INTERCONNECTION SYSTEM

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Horizontal Through Hole	2307700	0.083" [2.1mm]	2307700	2307703	2307706	2307709	T&R w/o cap	2-25
			2MM-R-SXX-HT-01-T-TR	2MM-R-SXX-HT-01-F-TR	2MM-R-SXX-HT-01-M-TR	2MM-R-SXX-HT-01-H-TR		
			2314927	2314928	2314929	2314930	Tube w/ cap	
			2MM-R-SXX-HT-01-T-TB	2MM-R-SXX-HT-01-F-TB	2MM-R-SXX-HT-01-M-TB	2MM-R-SXX-HT-01-H-TB		
		0.110" [2.8mm]	2314935	2314936	2314937	2314938	T&R w/o cap	
			2MM-R-SXX-HT-02-T-TR	2MM-R-SXX-HT-02-F-TR	2MM-R-SXX-HT-02-M-TR	2MM-R-SXX-HT-02-H-TR		
			2307701	2307704	2307707	2307710	Tube w/ cap	
			2MM-R-SXX-HT-02-T-TB	2MM-R-SXX-HT-02-F-TB	2MM-R-SXX-HT-02-M-TB	2MM-R-SXX-HT-02-H-TB		
		0.134" [3.4mm]	2307702	2307705	2307708	2307711	Tube w/ cap	
			2MM-R-SXX-HT-03-T-TB	2MM-R-SXX-HT-03-F-TB	2MM-R-SXX-HT-03-M-TB	2MM-R-SXX-HT-03-H-TB		
Horizontal Surface Mount	2307724	-	2307724	2307725	2307726	2307727	T&R w/ cap	2-25
			2MM-R-SXX-HS-00-T-TR	2MM-R-SXX-HS-00-F-TR	2MM-R-SXX-HS-00-M-TR	2MM-R-SXX-HS-00-H-TR		
			2314943	2314944	2314945	2314946	Tube w/ cap	
			2MM-R-SXX-HS-00-T-TB	2MM-R-SXX-HS-00-F-TB	2MM-R-SXX-HS-00-M-TB	2MM-R-SXX-HS-00-H-TB		

DOUBLE ROW

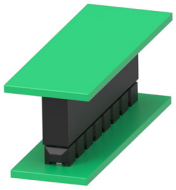
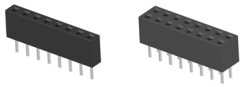
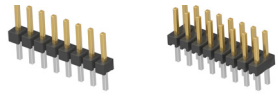
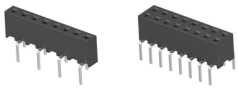
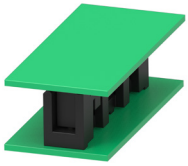
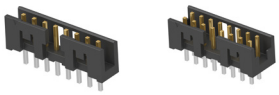
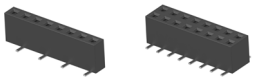
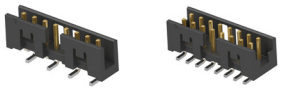
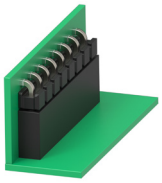
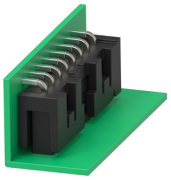
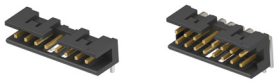
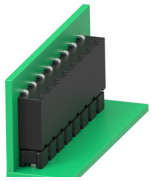
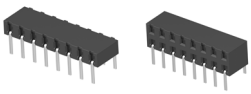
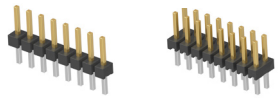
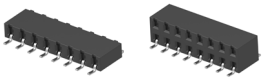
Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole	2307776	0.079" [2.0mm]	2307776	2307779	2307782	2307785	T&R w/ cap	4-50
			2MM-R-DXX-VT-01-T-TRP	2MM-R-DXX-VT-01-F-TRP	2MM-R-DXX-VT-01-M-TRP	2MM-R-DXX-VT-01-H-TRP		
			2314811	2314812	2314813	2314814	Tube w/ cap	
			2MM-R-DXX-VT-01-T-TBP	2MM-R-DXX-VT-01-F-TBP	2MM-R-DXX-VT-01-M-TBP	2MM-R-DXX-VT-01-H-TBP		
		0.106" [2.7mm]	2307777	2307780	2307783	2307786	T&R w/ cap	
			2MM-R-DXX-VT-02-T-TRP	2MM-R-DXX-VT-02-F-TRP	2MM-R-DXX-VT-02-M-TRP	2MM-R-DXX-VT-02-H-TRP		
			2314823	2314824	2314825	2314826	Tube w/ cap	
			2MM-R-DXX-VT-02-T-TBP	2MM-R-DXX-VT-02-F-TBP	2MM-R-DXX-VT-02-M-TBP	2MM-R-DXX-VT-02-H-TBP		
			2314819	2314820	2314821	2314822	Tube w/o cap	
			2MM-R-DXX-VT-02-T-TB	2MM-R-DXX-VT-02-F-TB	2MM-R-DXX-VT-02-M-TB	2MM-R-DXX-VT-02-H-TB		
		0.126" [3.2mm]	2307778	2307781	2307784	2307787	Tube w/o cap	
			2MM-R-DXX-VT-03-T-TB	2MM-R-DXX-VT-03-F-TB	2MM-R-DXX-VT-03-M-TB	2MM-R-DXX-VT-03-H-TB		

AMPMODU 2 MM INTERCONNECTION SYSTEM

Product Type	Drawing Number	Solder Lead Length	Base Number / Smart Part Number				Packaging	Available Positions
			Tin	4µ" [0.1µm] Gold	15µ" [0.38µm] Gold	30µ" [0.76µm] Gold		
Vertical Through Hole Outrigger	2307820	0.091" [2.3mm]	2307820	2307823	2307826	2307829	T&R w/ cap	4-50
			2MM-R-DXX-VTR-01-T-TRP	2MM-R-DXX-VTR-01-F-TRP	2MM-R-DXX-VTR-01-M-TRP	2MM-R-DXX-VTR-01-H-TRP		
			2314851	2314852	2314853	2341413	Tube w/ cap	
			2MM-R-DXX-VTR-01-T-TBP	2MM-R-DXX-VTR-01-F-TBP	2MM-R-DXX-VTR-01-M-TBP	2MM-R-DXX-VTR-01-H-TBP		
		0.110" [2.8mm]	2307821	2307824	2307827	2307830	T&R w/ cap	
			2MM-R-DXX-VTR-02-T-TRP	2MM-R-DXX-VTR-02-F-TRP	2MM-R-DXX-VTR-02-M-TRP	2MM-R-DXX-VTR-02-H-TRP		
			2314863	2314864	2314865	2314866	Tube w/ cap	
			2MM-R-DXX-VTR-02-T-TBP	2MM-R-DXX-VTR-02-F-TBP	2MM-R-DXX-VTR-02-M-TBP	2MM-R-DXX-VTR-02-H-TBP		
			2314859	2314860	2314861	2314862	Tube w/o cap	
			2MM-R-DXX-VTR-02-T-TB	2MM-R-DXX-VTR-02-F-TB	2MM-R-DXX-VTR-02-M-TB	2MM-R-DXX-VTR-02-H-TB		
		0.134" [3.4mm]	2307822	2307825	2307828	2307831	Tube w/o cap	
			2MM-R-DXX-VTR-03-T-TB	2MM-R-DXX-VTR-03-F-TB	2MM-R-DXX-VTR-03-M-TB	2MM-R-DXX-VTR-03-H-TB		
Vertical Surface Mount	2307816	-	2307816	2307817	2307818	2307819	T&R w/ cap	4-50
			2MM-R-DXX-VS-00-T-TRP	2MM-R-DXX-VS-00-F-TRP	2MM-R-DXX-VS-00-M-TRP	2MM-R-DXX-VS-00-H-TRP		
			2314843	2314844	2314845	2314846	Tube w/ cap	
			2MM-R-DXX-VS-00-T-TBP	2MM-R-DXX-VS-00-F-TBP	2MM-R-DXX-VS-00-M-TBP	2MM-R-DXX-VS-00-H-TBP		
Horizontal Through Hole	2307712	0.083" [2.1mm]	2307712	2307715	2307718	2307721	T&R w/o cap	4-50
			2MM-R-DXX-HT-01-T-TR	2MM-R-DXX-HT-01-F-TR	2MM-R-DXX-HT-01-M-TR	2MM-R-DXX-HT-01-H-TR		
			2314915	2314916	2314917	2314918	Tube w/o cap	
			2MM-R-DXX-HT-01-T-TB	2MM-R-DXX-HT-01-F-TB	2MM-R-DXX-HT-01-M-TB	2MM-R-DXX-HT-01-H-TB		
		0.110" [2.8mm]	2314923	2314924	2314925	2314926	T&R w/o cap	
			2MM-R-DXX-HT-02-T-TR	2MM-R-DXX-HT-02-F-TR	2MM-R-DXX-HT-02-M-TR	2MM-R-DXX-HT-02-H-TR		
			2307713	2307716	2307719	2307722	Tube w/o cap	
			2MM-R-DXX-HT-02-T-TB	2MM-R-DXX-HT-02-F-TB	2MM-R-DXX-HT-02-M-TB	2MM-R-DXX-HT-02-H-TB		
		0.134" [3.4mm]	2307714	2307717	2307720	2307723	Tube w/o cap	
			2MM-R-DXX-HT-03-T-TB	2MM-R-DXX-HT-03-F-TB	2MM-R-DXX-HT-03-M-TB	2MM-R-DXX-HT-03-H-TB		
Horizontal Surface Mount	2307728	-	2307728	2307729	2307730	2307731	T&R w/o cap	4-50
			2MM-R-DXX-HS-00-T-TR	2MM-R-DXX-HS-00-F-TR	2MM-R-DXX-HS-00-M-TR	2MM-R-DXX-HS-00-H-TR		
			2314939	2314940	2314941	2314942	Tube w/o cap	
			2MM-R-DXX-HS-00-T-TB	2MM-R-DXX-HS-00-F-TB	2MM-R-DXX-HS-00-M-TB	2MM-R-DXX-HS-00-H-TB		

BOARD RECEPTACLES

MATEABLE PARTS

Board Receptacles	B-t-B Orientation	Mateable Headers	
Vertical Orientation	Parallel 	**Vertical Breakaway Headers**	**Page 9-10**
2MM - R - _ _ - VT 		2MM - HB - _ _ - VT	
		2MM - HB - _ _ - VS	
2MM - R - _ _ - VTR 	Parallel 	**Vertical Shrouded Headers w/ Detent Latches**	**Page 11-12**
		2MM - HSD - _ _ - VT	
2MM - R - _ _ - VS 		2MM - HSD - _ _ - VS	
	Perpendicular 	**Horizontal Breakaway Headers**	**Page 9-10**
		2MM - HB - _ _ - HT	
	Perpendicular 	**Horizontal Shrouded Headers w/ Detent Latches**	**Page 11-12**
		2MM - HSD - _ _ - HT	
Horizontal Orientation	Perpendicular 	**Vertical Breakaway Headers**	**Page 9-10**
2MM - R - _ _ - HT 		2MM - HB - _ _ - VT	
2MM - R - _ _ - HS 		2MM - HB - _ _ - VS	

CRIMP SNAP-IN RECEPTACLES

SMART PART NUMBER DEFINITION

2MM - _ - _ _ - BX

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

RC	Unloaded standard receptacle housing (no latches)
RCD	Unloaded receptacle housing with detent latches
RCP	Unloaded receptacle housing with positive latch

NUMBER OF ROWS (3)

S	Single row
D	Double row

NUMBER OF POSITIONS PER ROW (4)

##	02 thru 25 per row (enter two digits)

**refer to table DESIGN NAVIGATOR for allowable position sizes*

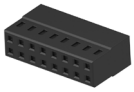
PACKAGE (5)

BX	Box

SMART PN EXAMPLES

- AMPMODU 2 mm, crimp receptacle with detent latches, double row, 16 positions (2 x 8), box: **2MM-RCD-D08-BX**

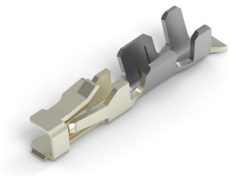
DESIGN NAVIGATOR

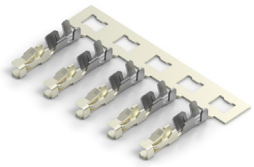
Housing Style	Number of Rows		Number of Positions per Row	Packaging Method
Standard (no latches)	Single row		02 thru 25	Box
	Double row		02 thru 25 per row	
With detent latches	Single row		07 thru 16	
	Double row		07 thru 16, 20, 22, 25 per row	
With positive latch	Single row		03 thru 16	
	Double row		03 thru 16 per row	

* Tube packaging is available upon request.

CRIMP SNAP-IN RECEPTACLES

RECEPTACLE CONTACT





2MM - RT - _ - _ - _

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

RT	Receptacle crimp contact

WIRE SIZE (3)

S	AWG 30-28 [0.05 - 0.08 mm²]
M	AWG 28-24 [0.08 – 0.22 mm²]

PLATING (4)

T	Tin
F	4 µ" [0.1 µm] gold (gold flash)
M	15 µ" [0.38 µm] gold
H	30 µ" [0.76 µm] gold

PACKAGING (5)

ST	Strip form (30K pcs/reel)
LP	Loose piece

SMART PN EXAMPLES

- AMPMODU 2 mm, crimp receptacle contact, AWG 30 - 28, tin, 30kpcs/reel: **2MM-RT-S-T-ST**

APPLICATION TOOLING

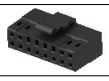
Tooling	Images	Contact Package	Contact AWG 30-28	Contact AWG 28-24
Hand tool		Loose Piece (LP)	2326270-1	2326267-1
Ocean applicator		30k pcs per/reel (ST)	Upon request	Upon request
Extraction tool		9-1579028-8 *Suitable for all receptacles – to disengage locking lance from front window.*		
		843477-3 *Suitable for standard and detent latch receptacles only – to disengage locking lance from side, top or bottom windows.*		

CRIMP SNAP-IN RECEPTACLES

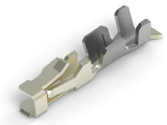
SINGLE ROW

Product Type	Drawing Number	Base Number	Available Positions
Standard (no latches)	2316102	2316102	2-25
		2MM-RC-SXX-BX	
With detent latches	2316103	2316103	7-16
		2MM-RCD-SXX-BX	
With positive latch	2316104	2316104	3-16
		2MM-RCP-SXX-BX	

DOUBLE ROW

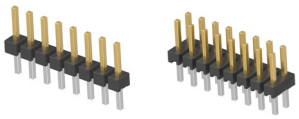
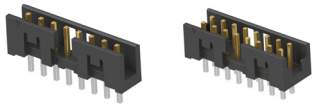
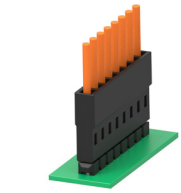
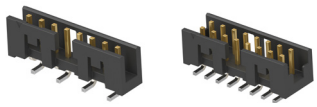
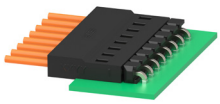
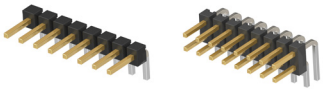
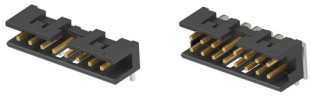
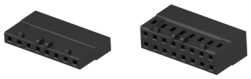
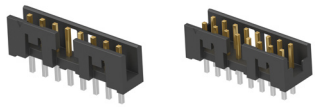
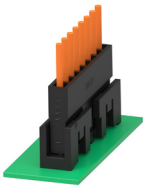
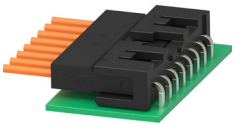
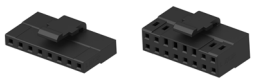
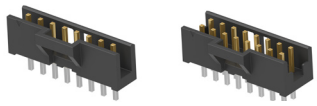
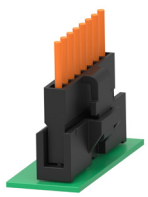
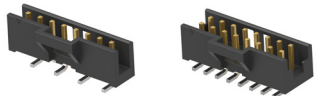
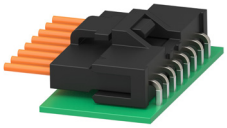
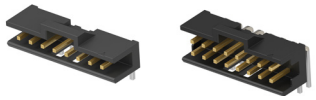
Product Type	Drawing Number	Base Number	Available Positions
Standard (no latches)	2316108	2316108	4-50
		2MM-RC-DXX-BX	
With detent latches	2316109	2316109	14-32, 34, 40, 44, 50
		2MM-RCD-DXX-BX	
With positive latch	2316110	2316110	6-32
		2MM-RCP-DXX-BX	

RECEPTACLE CONTACTS

Wire Size	Product Image	Drawing Number	Plating	Packaging Method	
				30Kpc Reel	Loose Piece
AWG 28-24 [0.08 - 0.22 mm2]		2316113	Tin	2-2316113-2	2-2316113-3
				2MM-RT-M-T-ST	2MM-RT-M-T-LP
			4µ" [0.1µm] Gold	3-2316113-3	3-2316113-4
				2MM-RT-M-F-ST	2MM-RT-M-F-LP
			15µ" [0.38µm] Gold	4-2316113-4	4-2316113-5
				2MM-RT-M-M-ST	2MM-RT-M-M-LP
			30µ" [0.76µm] Gold	5-2316113-5	5-2316113-6
				2MM-RT-M-H-ST	2MM-RT-M-H-LP
AWG 30-28 [0.05 - 0.08 mm2]		2316114	Tin	2-2316114-2	2-2316114-3
				2MM-RT-S-T-ST	2MM-RT-S-T-LP
			4µ" [0.1µm] Gold	3-2316114-3	3-2316114-4
				2MM-RT-S-F-ST	2MM-RT-S-F-LP
			15µ" [0.38µm] Gold	4-2316114-4	4-2316114-5
				2MM-RT-S-M-ST	2MM-RT-S-M-LP
			30µ" [0.76µm] Gold	5-2316114-5	5-2316114-6
				2MM-RT-S-H-ST	2MM-RT-S-H-LP

CRIMP SNAP-IN RECEPTACLES

MATEABLE PARTS

<table>
<tr><th>Wire Receptacles</th><th>W-t-B Orientation</th><th colspan="4">Mateable Headers</th></tr>
<tr><td rowspan="2">Standard (No Latches)</td><td rowspan="3"></td><td>Vertical Breakaway Headers</td><td>Page 9-10</td><td>Vertical Shrouded Headers w/ Detent Latches</td><td>Page 11-12</td></tr>
<tr><td rowspan="2">2MM - RC - _ _
</td><td>2MM - HB - _ _ - VT
</td><td colspan="2">2MM - HSD - _ _ - VT
</td></tr>
<tr><td></td><td>2MM - HB - _ _ - VS
</td><td colspan="2">2MM - HSD - _ _ - VS
</td></tr>
<tr><td rowspan="2"></td><td rowspan="2"></td><td>Horizontal Breakaway Headers</td><td>Page 9-10</td><td>Horizontal Shrouded Headers w/ Detent Latches</td><td>Page 11-12</td></tr>
<tr><td colspan="2">2MM - HB - _ _ - HT
</td><td colspan="2">2MM - HSD - _ _ - HT
</td></tr>
<tr><td>w/ Detent Latches</td><td rowspan="3"></td><td colspan="2">Vertical Shrouded Headers w/ Detent Latches</td><td colspan="2">Page 11-12</td></tr>
<tr><td rowspan="2">2MM - RCD - _ _
</td><td colspan="2">2MM - HSD - _ _ - VT
</td><td colspan="2"></td></tr>
<tr><td></td><td colspan="2">2MM - HSD - _ _ - VS
</td><td colspan="2"></td></tr>
<tr><td rowspan="2"></td><td rowspan="2"></td><td colspan="2">Horizontal Shrouded Headers w/ Detent Latches</td><td colspan="2">Page 11-12</td></tr>
<tr><td colspan="2">2MM - HSP - _ _ - HT
</td><td colspan="2"></td></tr>
<tr><td>w/ Positive Latch</td><td rowspan="3"></td><td colspan="2">Vertical Shrouded Headers w/ Positive Latch</td><td colspan="2">Page 13-14</td></tr>
<tr><td rowspan="2">2MM - RCP - _ _
</td><td colspan="2">2MM - HSP - _ _ - VT
</td><td colspan="2"></td></tr>
<tr><td></td><td colspan="2">2MM - HSP - _ _ - VS
</td><td colspan="2"></td></tr>
<tr><td rowspan="2"></td><td rowspan="2"></td><td colspan="2">Horizontal Shrouded Headers w/ Positive Latch</td><td colspan="2">Page 13-14</td></tr>
<tr><td colspan="2">2MM - HSP - _ _ - HT
</td><td colspan="2"></td></tr>
</table>

INSULATION DISPLACEMENT CONTACT (IDC) RECEPTACLES

SMART PART NUMBER DEFINITION

2MM - _ - S _ - S - _ - TB

PRODUCT SERIES (1)

2MM	AMPMODU 2 mm series

GENDER / TYPE (2)

RD	Standard IDC receptacle (no latches)
RDD	IDC Receptacle with detent latches
RDP	IDC receptacle with positive latch

NUMBER OF ROWS (3)

S	Single row

NUMBER OF POSITIONS PER ROW (4)

##	02 thru 12 (enter two digits)

WIRE SIZE (5)

S	AWG 30-26 [0.05 – 0.14 mm²]

PLATING (6)

T	Tin
F	4 µ" [0.1 µm] gold (gold flash) (N/A with positive latch)
M	15 µ" [0.38 µm] gold
H	30 µ" [0.76 µm] gold

PACKAGING (7)

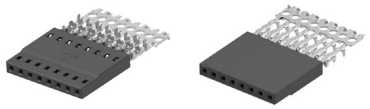
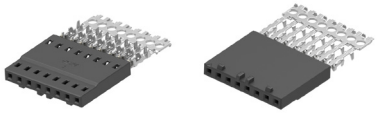
TB	Tube

**see table DESIGN NAVIGATOR for available positions*

SMART PN EXAMPLES

- AMPMODU 2 mm, IDC receptacle with positive latch, single row, 7 positions (1 x 7), AWG 30 - 26, 30µ" [0.76 µm] gold, tube: **2MM-RDP-S07-S-H-TB**

RECEPTACLE HOUSINGS

Type	Images	Wire size	Plating	Number of Positions
Standard (no latches)		AWG 30-26 [0.05 – 0.14 mm²]	30 µ" [0.76 µm] gold	02 thru 12
			15 µ" [0.38 µm] gold	
			4 µ" [0.1 µm] gold	
			Tin	
With detent latches			30 µ" [0.76 µm] gold	07 thru 12
			15 µ" [0.38 µm] gold	
			4 µ" [0.1 µm] gold	
			Tin	
With positive latch			30 µ" [0.76 µm] gold	03 thru 12
			15 µ" [0.38 µm] gold	
			Tin	

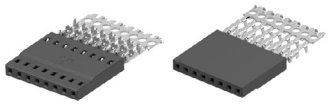
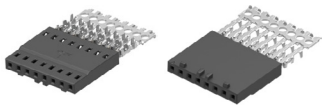
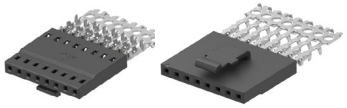
INSULATION DISPLACEMENT CONTACT (IDC) RECEPTACLES

APPLICATION TOOLING

Tooling	Images	TE Part Number
Terminating head*		2326300-1
Pistol grip manual handle*		58074-1
Pneumatic handle*		58075-1
Extraction tool		9-1579028-8 *Suitable for all receptacles – to disengage locking lance from front window.*
		843477-3 *Suitable for standard and detent latch receptacles only – to disengage locking lance from side, top or bottom windows.*

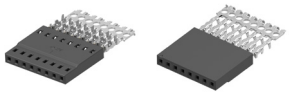
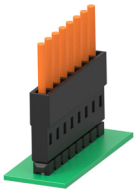
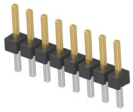
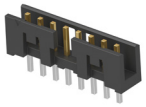
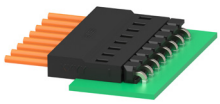
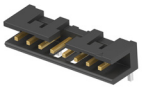
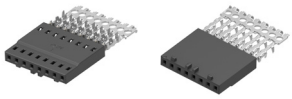
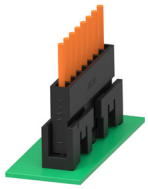
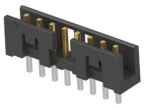
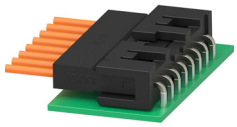
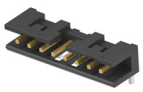
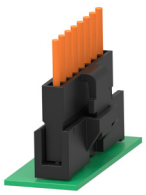
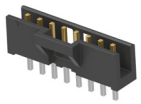
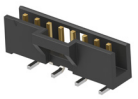
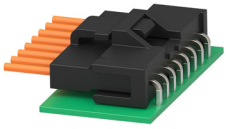
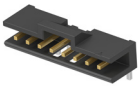
**Terminating head needs to be used with the manual or pneumatic handle.*

INSULATION DISPLACEMENT CONTACT (IDC) RECEPTACLES

Product Type	Drawing Number	Wire Size	Plating	Base Number	Available Positions
Standard (no latches)	2317222	AWG 30-26 [0.05 – 0.14 mm2]	30µ" [0.76µm] Gold	2317206	2, 3, 4, 5, 6 7, 8, 9, 10, 11, 12
				2MM-RD-SXX-S-H-TB	
			15µ" [0.38µm] Gold	2317205	
				2MM-RD-SXX-S-M-TB	
			4µ" [0.1µm] Gold	2317204	
				2MM-RD-SXX-S-F-TB	
			Tin	2317222	
				2MM-RD-SXX-S-T-TB	
With detent latches	2317223	AWG 30-26 [0.05 – 0.14 mm2]	30µ" [0.76µm] Gold	2317209	7, 8, 9, 10, 11, 12
				2MM-RDD-SXX-S-H-TB	
			15µ" [0.38µm] Gold	2317208	
				2MM-RDD-SXX-S-M-TB	
			4µ" [0.1µm] Gold	2317207	
				2MM-RDD-SXX-S-F-TB	
			Tin	2317223	
				2MM-RDD-SXX-S-T-TB	
With positive latch	2317224	AWG 30-26 [0.05 – 0.14 mm2]	30µ" [0.76µm] Gold	2317212	3, 4, 5, 6 7, 8, 9, 10, 11, 12
				2MM-RDP-SXX-S-H-TB	
			15µ" [0.38µm] Gold	2317211	
				2MM-RDP-SXX-S-M-TB	
			4µ" [0.1µm] Gold	Up on request	
				Up on request	
			Tin	2317224	
				2MM-RDP-SXX-S-T-TB	

INSULATION DISPLACEMENT CONTACT (IDC) RECEPTACLES

MATEABLE PARTS Single row Only

Wire Receptacles	W-t-B Orientation	Mateable Headers	
Standard (No Latches)		**Vertical Breakaway Headers** — **Page 9-10**	**Vertical Shrouded Headers w/ Detent Latches** — **Page 11-12**
2MM - RD - _ _ 		2MM - HB - _ _ - VT 	2MM - HSD - _ _ - VT 
		2MM - HB - _ _ - VS 	2MM - HSD - _ _ - VS 
		**Horizontal Breakaway Headers** — **Page 9-10**	**Horizontal Shrouded Headers w/ Detent Latches** — **Page 11-12**
		2MM - HB - _ _ - HT 	2MM - HSD - _ _ - HT 
w/ Detent Latches		**Vertical Shrouded Headers w/ Detent Latches**	**Page 11-12**
2MM - RDD - _ _ 		2MM - HSD - _ _ - VT 	
		2MM - HSD - _ _ - VS 	
		**Horizontal Shrouded Headers w/ Detent Latches**	**Page 11-12**
		2MM - HSD - _ _ - HT 	
w/ Positive Latch		**Vertical Shrouded Headers w/ Positive Latch**	**Page 13-14**
2MM - RDP - _ _ 		2MM - HSP - _ _ - VT 	
		2MM - HSP - _ _ - VS 	
		**Horizontal Shrouded Headers w/ Positive Latch**	**Page 13-14**
		2MM - HSP - _ _ - HT 	

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08/23 VL