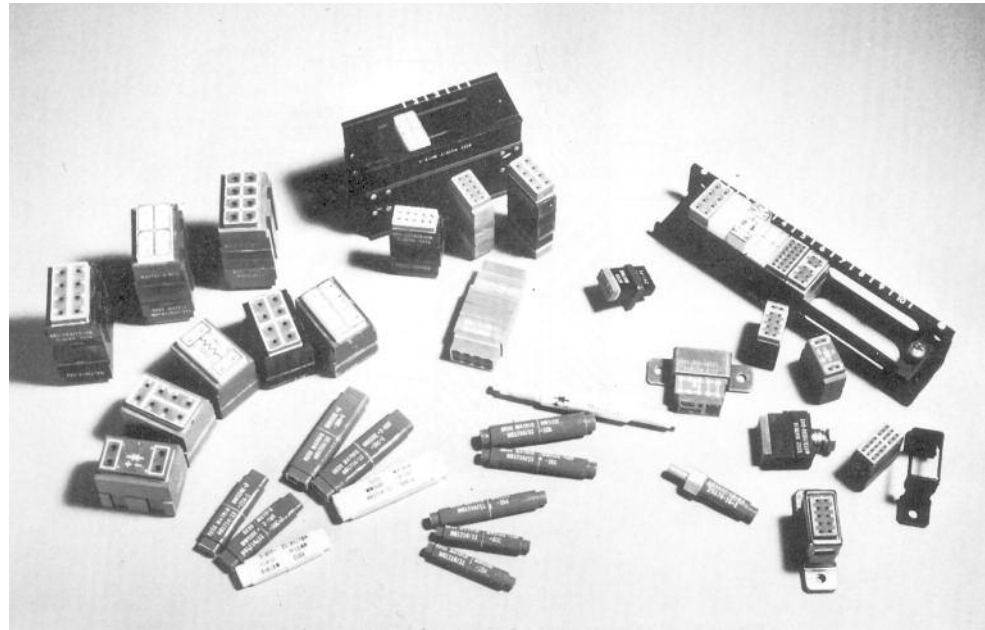


Introduction

Product Facts

- The TJS connections are inherently more reliable than conventional threaded and solder terminations
- The user's wiring is crimped to gold plated pin contacts, conforming the MIL-C-39029/1, which are individually mated to probe-proof gold plated pre-bussed sockets contained within the module and splice
- Modules and Splices — environment proof conforming to the requirements of MIL-T-81714. These modules can be assembled into MIL-T-81714 rails and are individually removable. Brackets are also available to mount individual or triads of modules. The splices are designed to terminate from two to four wires.
- Commercial TJS consists of module blocks (either environmental or non-environmental) designed for custom assembled installations. These can be furnished in pre-assembled arrays in rails or individually with rail kits to accommodate various rows and lengths of modules.
- TJS Connectors also qualified to German Army Standard VG 95212-31/ VG 95231-102/103/105



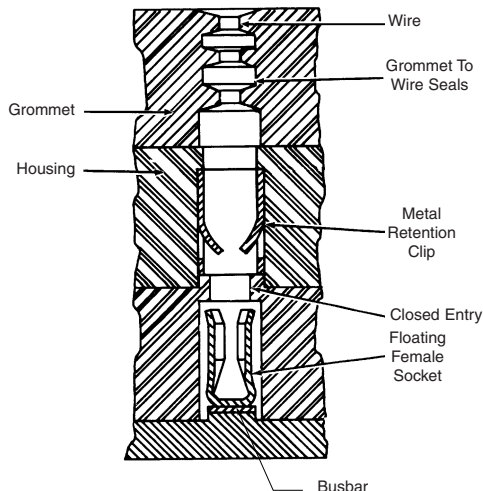
The Terminal Junction System (TJS) provides design engineers with a compact family of modules and splices for interconnecting wires. Both the modules and splices facilitate interconnecting with pre-bussed configurations to which the user's 22 thru 12 AWG wires are terminated with crimped removable pin contacts. Servicing tools required are the commonly available MIL-C-81969/14, plastic tool and MIL-C-22520 crimping tool used

for rear release connector contacts.

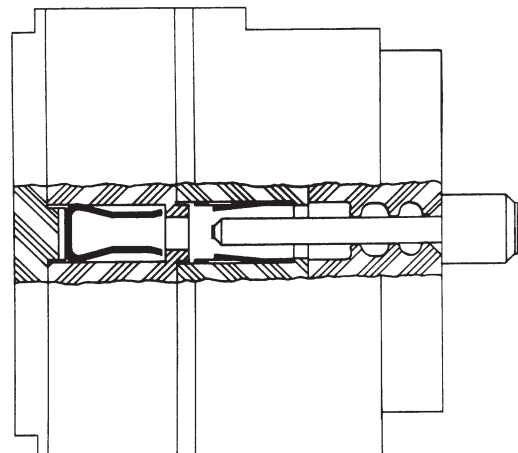
The TJS eliminates many shortcomings of the conventional lug and threaded termination. The TJS has no loose attaching hardware, such as nuts, screws and lock-washers to complete the termination. The TJS saves space and weight over threaded terminations while reducing installation cost. There is complete electrical isolation and optional environmental

sealing grommet in the TJS without user installed busses, barriers, insulating strips, potting and enclosures. The TJS module pre-bussed integral sockets are permanently connected in a variety of bussing arrangements to suit the most exacting circuit requirements. These modules can be user assembled into any required bussing arrangement and contact size permutation.

Typical Module Construction (Cross-Section)



Module With Sealing Plug Installed (Cross-Section)



Performance Specifications

Voltage Rating —

Sizes 22, 20, 16, 12

Altitude	DWV*	Working Voltage
Sea level	1,500 V	600 V
70,000 Feet**	600 V	300 V

Size 21 (22HD)

Altitude	DWV*	Working Voltage
Sea Level	1,000 V	600 V
70,000 Feet**	325 V	300 V

* DWV = Dielectric Withstanding Voltage

** [21,336m]

Contact Voltage Drop (Max.) —

Contact Size	Test Current	Initial	After Conditioning
21 (22HD)	5.0 A	55 mV	65 mV
22	5.0 A	45 mV	50 mV
20	7.5 A	45 mV	50 mV
16	13.0 A	50 mV	55 mV
12	23.0 A	40 mV	45 mV

The MV drop is measured across an adjacent bussed pair of wire contacts.

Operating Temperature Range —

Class	Minimum	Maximum
D	-65°C (-85°F)	+200°C (+392°F)

Altitude Immersion —

Insulation resistance shall not fall below 5,000 megohms after being subjected to three, 70,000-foot [21,336m] altitude immersion cycles in salt water.

Fluid Immersion —

Class D—Extended fluid type

Fluid	
MIL-H-5606	Hydraulic fluid
MIL-L-23699	Lubricating oil
MIL-T-5624	Aviation fuel
MIL-L-7808	Lubrication oil
MIL-A-8243	Anti-ice fluid
MIL-C-25769	Cleaning fluid
Skydrol	500A & 500B
Aerosafe	2300 & 2300W
Flyjet	III
Esso Oil	Turbo 25

Moisture Resistance —

High Humidity (95% RH) 100 megohms min.

After Drying—24 hours 1,000 megohms min.

Durability —

No performance degradation after 10 cycles of contact insertion/removal.

Vibration —

Class D

Sine, MIL-STD-202, method 204 condition G

Random, MIL-STD-1344, method 2005.

Shock —

Class D

MIL-STD-1344, Method 2004

(300 G, 3 milliseconds duration, half-sine).

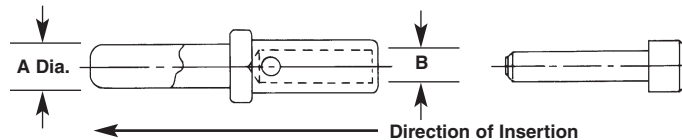
Specifications —

QPL-AS390929

SAE-AS39029/1

Contacts, Sealing Plugs and Assembly Tools

Contacts and Sealing Plugs



Size		Part Numbers		Wire Barrel	Part Numbers		B
		Pin Contacts			Sealing Plugs		
A Dia.	Size	Commercial	Military		Commercial	Military	
.039/.041	21(22HD)	592413-1	M39029/1-507	22D	592104-4	MS27488-22	—
.061/.063	22	3-592404-1	M39029/1-100	22	592104-1	MS27488-20	.035/.03
.061/.063	20	2-592404-1	M39029/1-101	20	592104-1	MS27488-20	.048/.05
.076/.078	16	1-592404-1	M39029/1-102	16	592104-2	MS27488-16	.066/.068
.093/.095	12	592404-1	M39029/1-103	12	592104-3	MS27488-12	.098/.102

Insertion/Removal Tools

Size	Part Numbers		Color*	Wire Gage	Contact Wire Dia. Min./Max.	Finished Crimp Tool	Turret or Positioner
	Commercial	Military					
21(22HD)	—	M81969/14-01	Grn/Wh	28-22	.030-.054 [.76-1.37]	M22520/2-01	M22520/2-32
22	592105-1	M81969/14-11	Rd/Wh	26-22	.034-.066 [.86-1.68]	M22520/2-01	M22520/2-11
20	592105-1	M81969/14-11	Rd/Wh	24-20	.038-.083 [.97-2.11]	M22520/1-01 or /2-01	M22520/1-02 or /2-02
16	592105-2	M81969/14-03	Blue/Wh	20-16	.060-.101 [1.52-2.57]	M22520/1-01	M22520/1-02
12	—	M81969/14-04	Yel/Wh	14-12	.087-.147 [2.21-3.73]	M22520/1-01	M22520/1-02

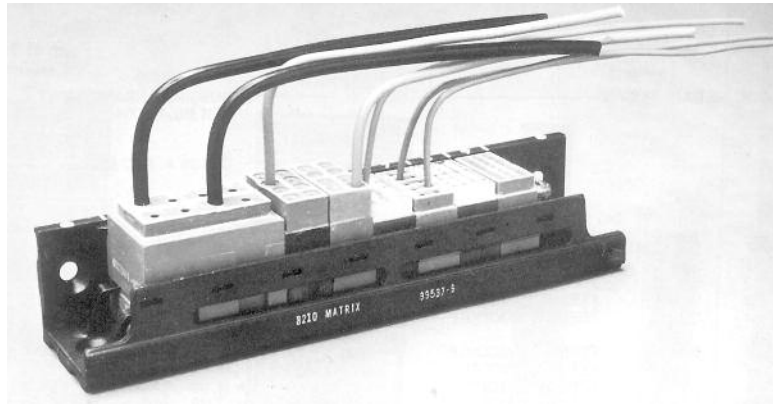
* Colored end for contact insertion; white end for release/removal.

Feedback and Feedthru Terminal Junction Modules

MIL-T-81714 Terminal Junction module blocks are available in sizes 12, 16, 20, 22 and 22HD. The size 12 and 16 feedback blocks have eight cavities each. The size 20 and 22 feed-back blocks have 10 cavities each (size 22HD has 21 cavities). The feedthru blocks have the same number of cavities situated on both sides of the block.

Military bussing arrangements are available with each size block.

These module blocks and mounting rail assemblies are qualified to MIL-T-81714. The pin contacts are qualified to MIL-C-39029/1.



Feedthru

Military Part Numbers Feedthru Modules	AMP Commercial Part Numbers Feedthru Modules
(Class D) Size 20	
M81714/7-DA1	592608-3
M81714/7-DB1	592608-1
M81714/7-DB2	—
M81714/7-DB3	—
M81714/7-DC1	592608-8
M81714/7-DC2	—
M81714/7-DD1	592608-6
M81714/7-DE1	592608-5
M81714/7-DJ1	—
(Class D) Size 16	
M81714/8-DA1	592604-5
M81714/8-DB1	592604-3
M81714/8-DB2	592604-7

Military Part Numbers Feedthru Modules	AMP Commercial Part Numbers Feedthru Modules
(Class D) Size 16 (Continued)	
M81714/8-DC1	592604-9
M81714/8-DC2	—
M81714/8-DD1	592604-1
M81714/8-DH1	—
(Class D) Size 12	
M81714/9-DA1	592600-9
M81714/9-DB1	592600-7
M81714/9-DB2	1-592600-3
M81714/9-DC1	592600-1
M81714/9-DC2	1-592600-1
M81714/9-DD1	592600-5
M81714/9-DH1	592600-3

Notes: TE Connectivity has not qualified the Feedthru Modules to MIL-T-81714. The Military part number is shown for reference only.

Feedback

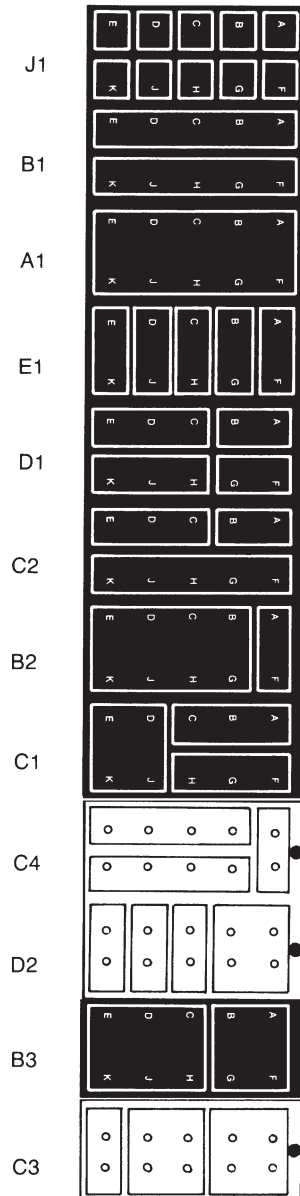
Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class D) Size 22		
M81714/1-DA1	—	592633-4
M81714/1-DB1	—	592633-2
M81714/1-DB2	—	1-592633-2
M81714/1-DB3	—	2-592633-0
M81714/1-DC1	—	1-592633-4
M81714/1-DC2	—	1-592633-0
M81714/1-DD1	—	592633-8
M81714/1-DE1	—	592633-6
(Class D) Size 21		
M81714/17-D31	592629-1	592629-2
M81714/17-D32	592629-3	592629-4
M81714/17-D33	592629-5	592629-6
M81714/17-D34	592629-7	592629-8
M81714/17-D35	592629-9	1-592629-0
M81714/17-D36	4-592629-4	—
M81714/17-D37	1-529629-1	1-592629-2
M81714/17-D38	1-592629-3	1-592629-4
M81714/17-D39	1-592629-5	1-592629-6
M81714/17-D40	1-592629-7	1-592629-8
M81714/17-D42	4-592629-2	4-592629-0
M81714/17-D43	4-592629-3	—
M81714/17-D44	1-592629-9	2-592629-0
M81714/17-D45	4-592629-5	2-592629-2

Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class D) SIZE 20		
M81714/2-DA1	592624-3	592624-4
M81714/2-DB1	592624-1	592624-2
M81714/2-DB2	1-592624-0	1-592624-1
M81714/2-DB3	1-592624-8	1-592624-9
M81714/2-DC1	1-592624-2	1-592624-3
M81714/2-DC2	2-592624-2	592624-9
M81714/2-DD1	592624-7	592624-8
M81714/2-DE1	592624-5	592624-6
(Class D) SIZE 16		
M81714/3-DA1	592620-5	592620-6
M81714/3-DB1	592620-3	592620-4
M81714/3-DB2	592620-9	1-592620-0
M81714/3-DC1	1-592620-1	1-592620-2
M81714/3-DC2	592620-7	592620-8
M81714/3-DD1	592620-1	592620-2
(Class D) SIZE 12		
M81714/4-DA1	—	592616-6
M81714/4-DB1	—	592616-4
M81714/4-DB2	—	1-592616-0
M81714/4-DC1	—	1-592616-2
M81714/4-DC2	—	592616-8
M81714/4-DD1	—	592616-1

Feedback Terminal Junction Modules

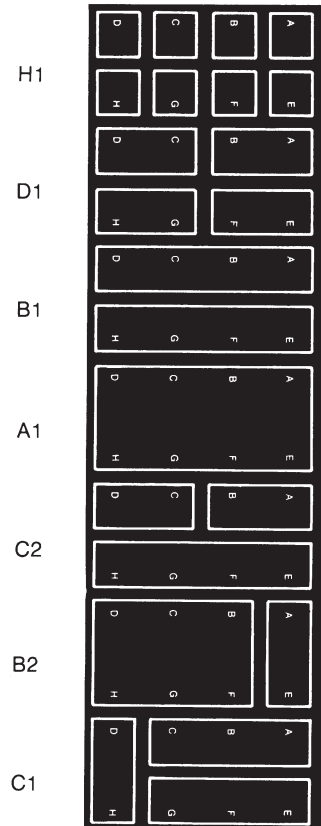
Typical Bussing Arrangements

Size 20 and 22 Modules



Consult TE Connectivity for additional bussing arrangements.

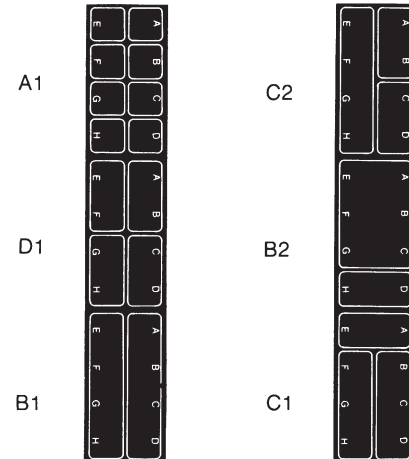
Size 16 Modules



Indexing Indicator (Typ.)

Bussing Indicator (Typ.)

Size 12 Modules



Military Part Numbering (Example)

M81714 / * - D **

Basic Military Prefix ————

Bussing Arrangement Per MIL-T-81714/*

Class D

	Size 22HD	17
	Size 22	1
Feedback Module	Size 20	2
	Size 16	3
	Size 12	4
	Size 22	6
Feedthru Module*	Size 20	7
	Size 16	8
	Size 12	9

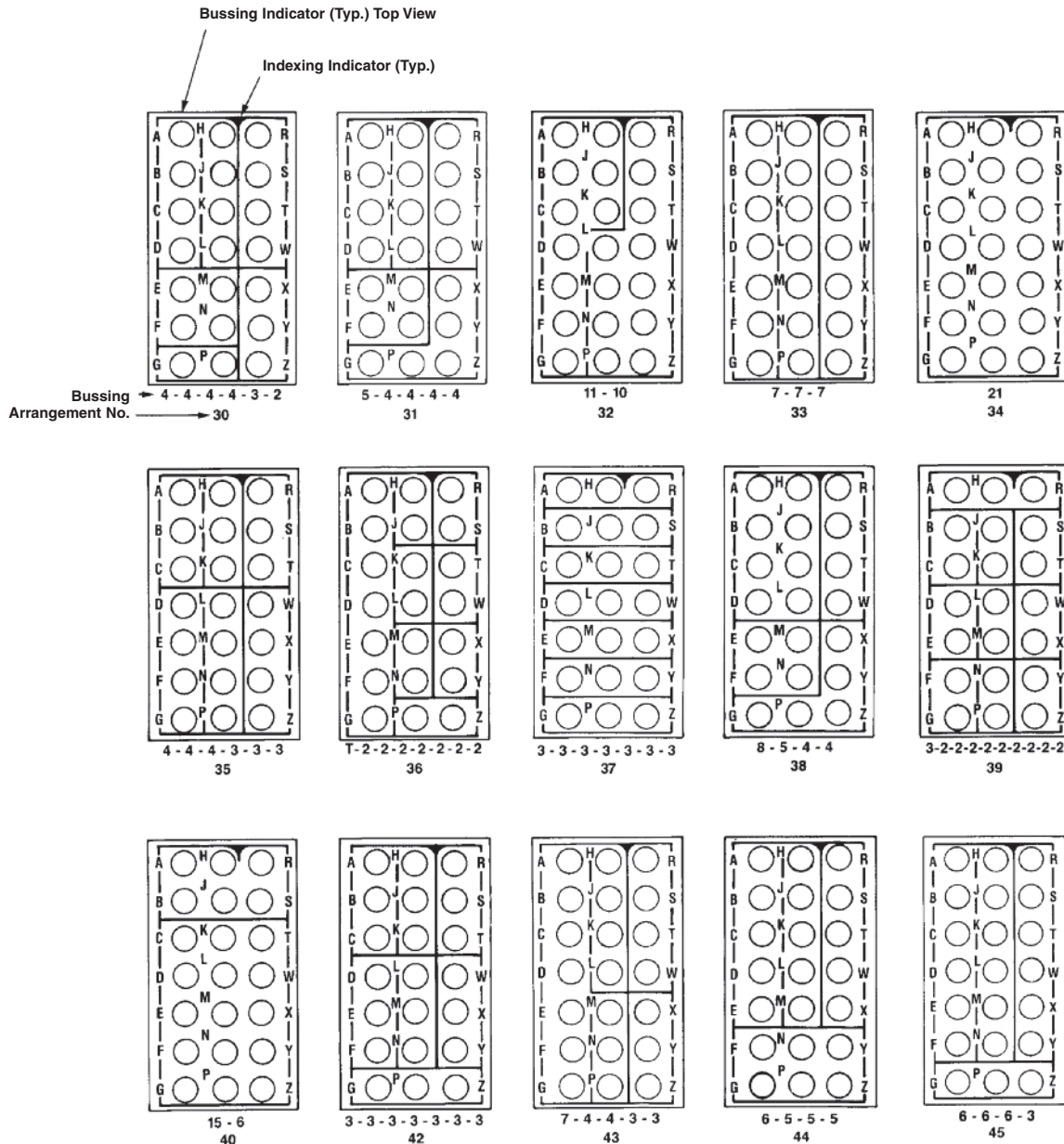
* For Reference Only

- Notes:** 1. When ordered to military part number, contacts and sealing plugs are included.
2. Mounting hardware is not included; order separately. (See pages 8-166 and 8-167.)
3. Size 16 Module Dim. (Typ.) — (Feedback) .850 [21.59] L x .390 [9.91] W x 1.000 [25.40] H
(Feedthru) .850 [21.59] L x .390 [9.91] W x 1.830 [46.48] H

Feedback Terminal Junction Modules (Continued)

Typical Bussing Arrangements

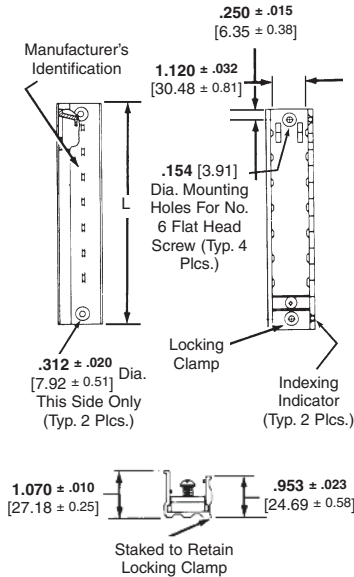
Size 22HD Military,
Size 21 Commercial
Modules



Feedback Terminal Junction Modules (Continued)

Mounting Hardware

Standard Weight Rail Assembly Part Number 591613

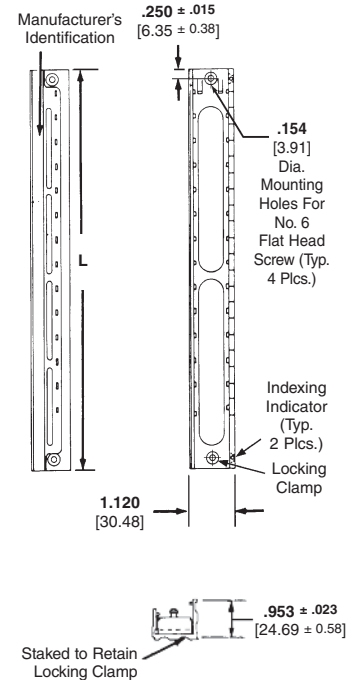


Rail Assembly Dimensions

Length L	591613 and 591621 Part Numbers			
	Standard Weight		Lightweight	
	Commercial 591613	Military M81714/5	Commercial 591621	Military M81714/16
1.781 [45.24]	-1	—	-1	—
2.171 [55.14]	-2	—	-2	—
2.561 [65.05]	-3	-2	-3	-2
2.951 [74.96]	-4	-3	-4	-3
3.341 [84.86]	-5	-4	-5	-4
3.371 [85.62]	-6	-5	-6	-5
4.121 [104.67]	-7	-6	-7	-6
4.511 [114.58]	-8	-7	-8	-7
4.901 [124.49]	-9	-8	-9	-8
5.291 [134.39]	-10	-1	-10	-1
5.681 [144.30]	-11	-9	-11	-9
6.071 [154.20]	-12	-10	-12	-10
6.461 [164.11]	-13	-11	-13	-11
6.851 [174.02]	-14	-12	-14	-12
7.241 [183.92]	-15	-13	-15	-13
7.631 [193.83]	-16	—	-16	—
8.021 [203.73]	-17	—	-17	—
8.411 [213.64]	-18	—	-18	—
8.801 [223.54]	-19	—	-19	—
9.191 [233.45]	-20	—	-20	—

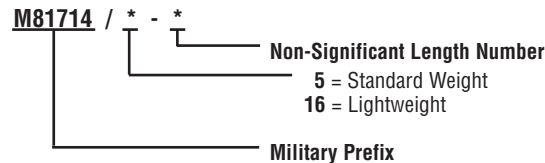
Rail Assemblies are made of black anodized aluminum alloy. Locking clamp screw is corrosion resistant steel (passivated). Rails will accommodate all sizes and various quantities of feedback modules in any combination.

Lightweight Rail Assembly Part Number 591621 (weight savings of up to 40%)



Rail Part Numbering

Military



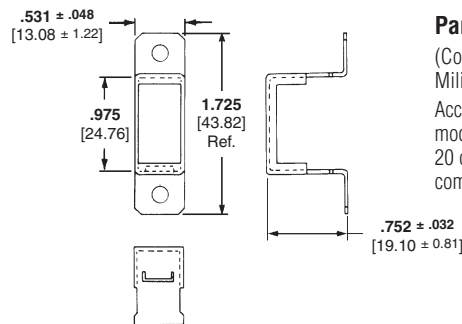
Note: Rail Assemblies do not contain module blocks. Order separately.
(See page 8-163.)

†(based on Size 22, 20, and 16 dimensions)

Individual Module Mounting Brackets

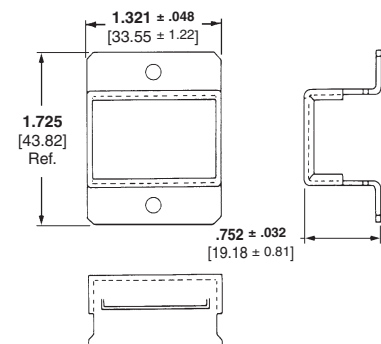
Part Number 591637-1

(Commercial equiv. to
Military M81714/29-1)
Accommodates one Size
21, 22, 20 or 16 module.



Part Number 591638-1

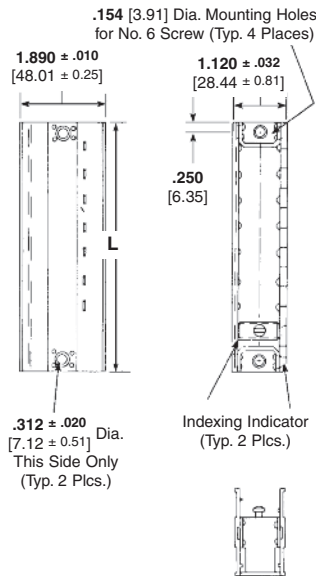
(Commercial equiv. to
Military M81714/29-2)
Accommodates one Size 12
module or three Size 21, 22,
20 or 16 modules in any
combination.



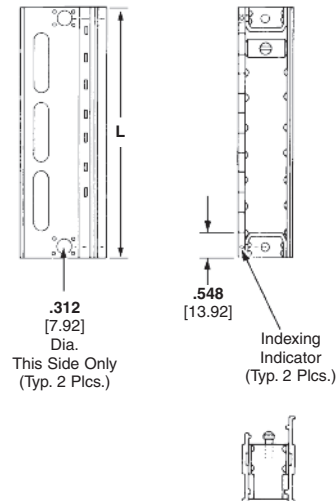
Feedthru Terminal Junction Modules

Mounting Hardware

Standard Weight Rail Assembly Part Number 591601



Lightweight Rail Assembly Part Number 591603



Rail Assembly Dimensions

Length L	591601 and 591603 Part Numbers	
	Standard Weight	Lightweight
	Commercial*	Commercial**
	591601	591603
2.041 [51.84]	-1	—
2.431 [61.75]	-2	—
2.821 [71.65]	-3	—
3.211 [81.56]	-4	—
3.601 [91.46]	-5	-4
3.991 [101.37]	-6	-5
4.381 [111.28]	-7	—
4.771 [121.18]	-8	—
5.161 [131.09]	-9	—
5.551 [141.00]	-10	—
5.941 [150.90]	-11	-1
6.331 [160.81]	-12	—
6.721 [170.71]	-13	—
7.111 [180.62]	-14	-2
7.501 [190.52]	-15	-3
7.891 [200.43]	-16	—
8.281 [210.34]	-17	—
8.671 [220.24]	-18	—
9.061 [230.15]	-19	—
9.451 [240.06]	-20	—

Rail Assemblies are made of black anodized aluminum alloy. Locking clamp screw is corrosion resistant steel (passivated). Rails will accommodate all sizes and various quantities of feed thru modules in any combination.

* Commercial equivalent to M81714/10—*

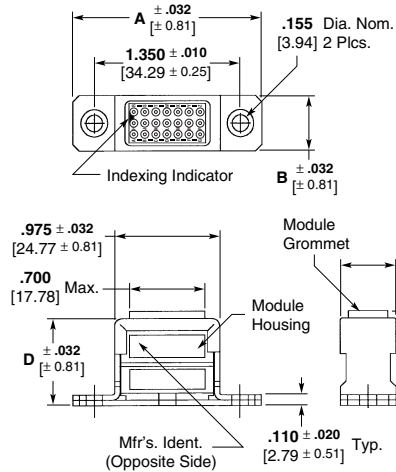
** Commercial equivalent to M81714/14—*

Feedback

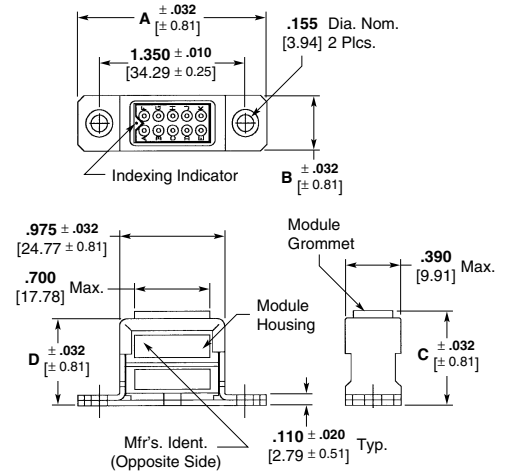
Grounding Flange Modules

AMP Grounding Flange Blocks are available in Sizes 22, 20, 16 and 12. All contacts are bussed together and connected to a ground plate made of nickel plated aluminum.

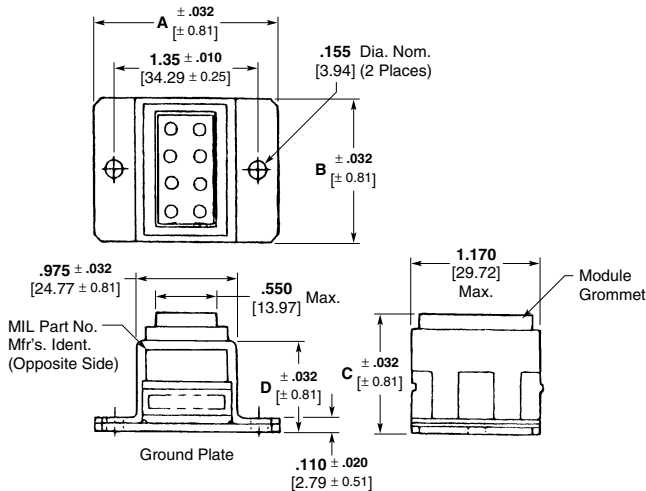
HD22 Part Number 592840



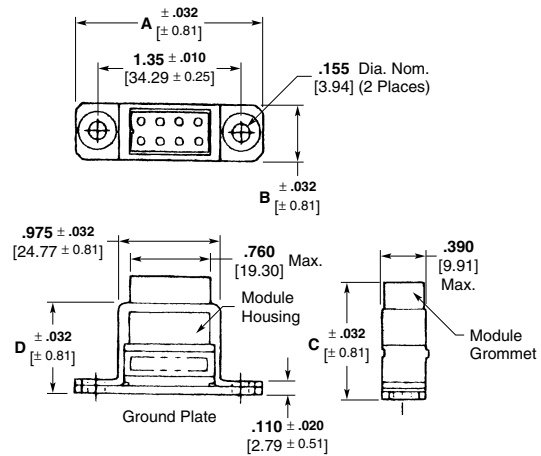
Size 20, 22 Part Number 592836



Size 12 Part Number 592820-1



Size 16 Part Number 592830-1



Commercial Equivalent to Military M81714/28- * **

Contact Size	Dimensions				Part Number
	A	B	C	D	
HD22	1.725 43.82	0.515 13.08	0.880 22.35	0.817 20.75	592840-2
22	1.725 43.82	0.515 13.08	0.880 22.35	0.817 20.75	592836-3
20	1.725 43.82	0.515 13.08	0.880 22.35	0.817 20.75	592836-1
16	1.725 43.82	0.515 13.08	1.060 26.92	0.817 20.75	592830-1
12	1.725 43.82	1.305 33.15	1.060 26.92	0.817 20.75	592820-1

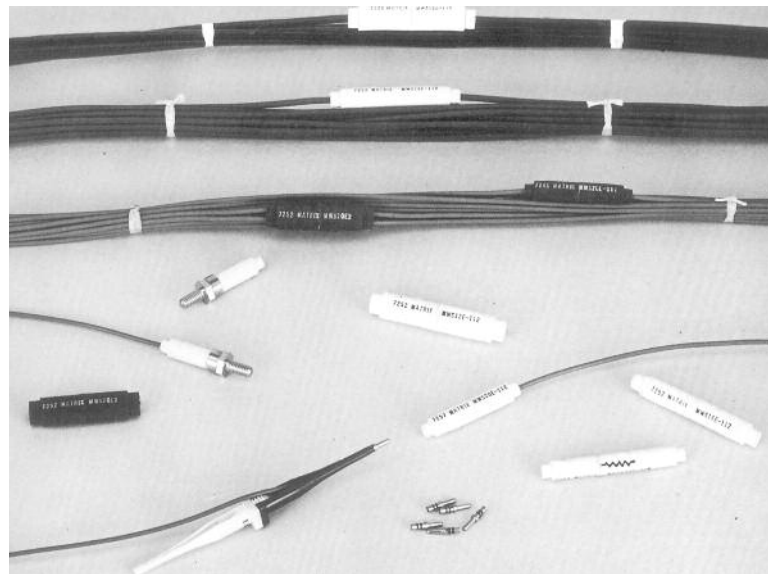
Wire Splices

Single Splice

Built and qualified to MIL-T-81714, the commercial Single Wire Splice provides an environmentally reliable, positive and maintainable in-line disconnect between single wires. Their small diameter permits placement within a wire bundle or electrical harness. The standard M39029/1 pin contact is utilized. Single wire splices are available per MIL-T-81714.

Double Splice

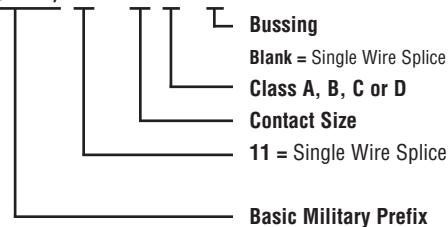
Provides an environmental in-line disconnect for joining up to four wires. Bussed or unbussed contacts are available permitting the versatility of joining wires in double, triple or quadruple combinations.



Part Numbering

Military

M81714/ ** - ** * - *



Double Spliced

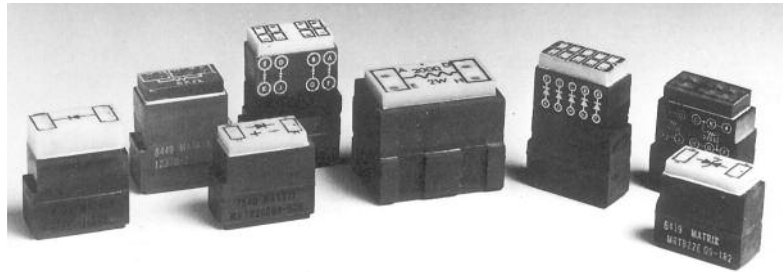
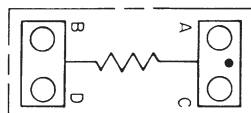
Contact Size	Bussed Part Number	Unbussed Part Number
22	592588-6	—
20	592588-5	592589-1
16	592588-4	—

Single Splice

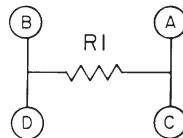
Contact Size	Part Number	MIL Part No. M81714/11
20	592583-3	-20D
16	592583-2	-16D
12	592583-1	-12D

Electronic Module Blocks and Splices

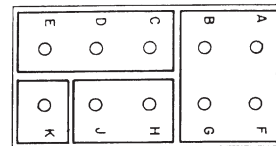
Electronic Modules, Splices and Mounting Hardware are custom engineered to suit the user's application. During design, specific part numbers will be assigned. (see page 8-174.)



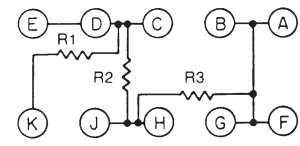
TOP MARKING (TYP)



SCHEMATIC DIAGRAM



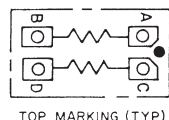
TOP MARKING



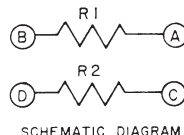
SCHEMATIC DIAGRAM

Fig. 1A

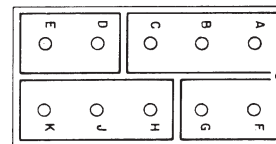
Fig. 5A



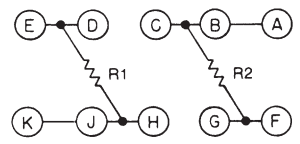
TOP MARKING (TYP)



SCHEMATIC DIAGRAM



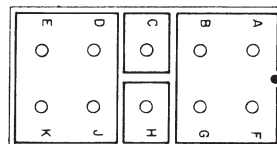
TOP MARKING



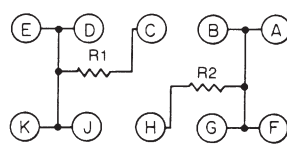
SCHEMATIC DIAGRAM

Fig. 2A

Fig. 6A

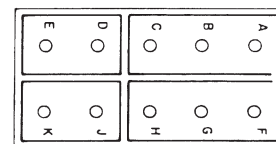


TOP MARKING

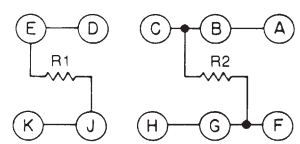


SCHEMATIC DIAGRAM

Fig. 3A

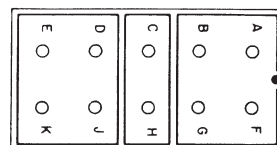


TOP MARKING

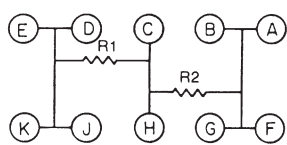


SCHEMATIC DIAGRAM

Fig. 7A

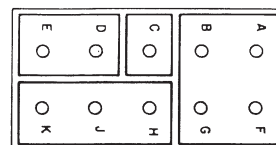


TOP MARKING

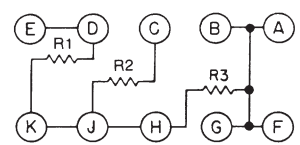


SCHEMATIC DIAGRAM

Fig. 4A



TOP MARKING



SCHEMATIC DIAGRAM

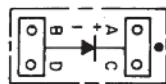
Fig. 8A

Consult TE Connectivity for additional circuit arrangements.

Electronic Module Blocks (Continued)

Typical Diode Circuit Arrangements

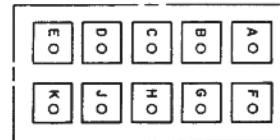
(See page 8-174 for Part Numbers.)



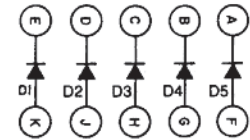
TOP MARKING



SCHEMATIC DIAGRAM



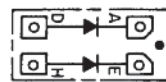
TOP MARKING (TYP)



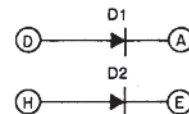
SCHEMATIC DIAGRAM

Fig. 1B

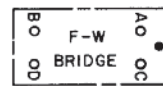
Fig. 5B



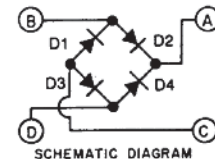
TOP MARKING



SCHEMATIC DIAGRAM



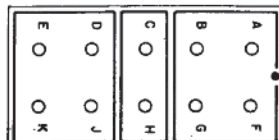
TOP MARKING



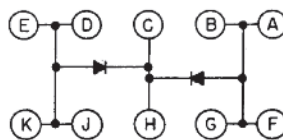
SCHEMATIC DIAGRAM

Fig. 2B

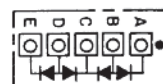
Fig. 6B



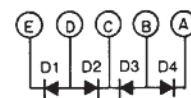
TOP MARKING



SCHEMATIC DIAGRAM



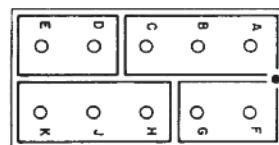
TOP MARKING (TYP)



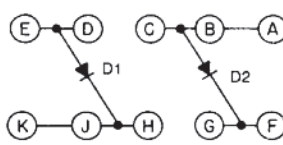
SCHEMATIC DIAGRAM

Fig. 3B

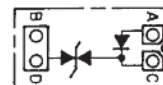
Fig. 7B



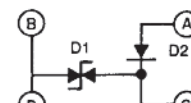
TOP MARKING



SCHEMATIC DIAGRAM



TOP MARKING (TYP)



SCHEMATIC DIAGRAM

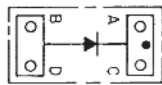
Fig. 4B

Fig. 8B

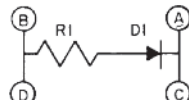
Consult TE Connectivity for additional circuit arrangements.

Electronic Module Blocks (Continued)

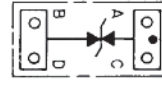
Typical Combination Circuit Arrangements



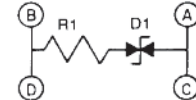
TOP MARKING



SCHEMATIC DIAGRAM



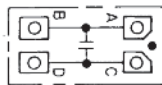
TOP MARKING



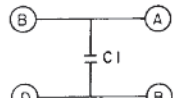
SCHEMATIC DIAGRAM

Fig. 1C

Fig. 5C



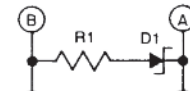
TOP MARKING (TYP)



SCHEMATIC DIAGRAM



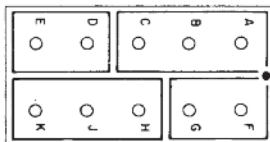
TOP MARKING (TYP)



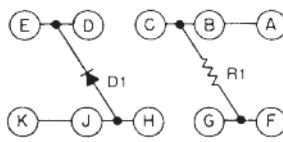
SCHEMATIC DIAGRAM

Fig. 2C

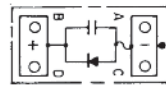
Fig. 6C



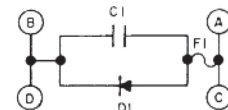
TOP MARKING



SCHEMATIC DIAGRAM



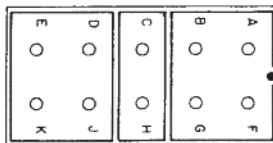
TOP MARKING



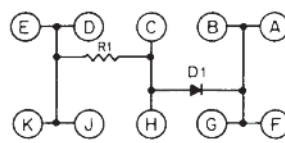
SCHEMATIC DIAGRAM

Fig. 3C

Fig. 7C

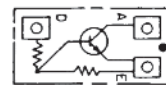


TOP MARKING

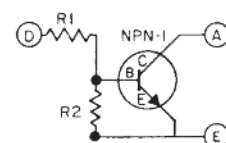


SCHEMATIC DIAGRAM

Fig. 4C



TOP MARKING



SCHEMATIC DIAGRAM

Fig. 8C

Consult TE Connectivity for additional circuit arrangements.

Commercial Electronic Splices

Various Component Types

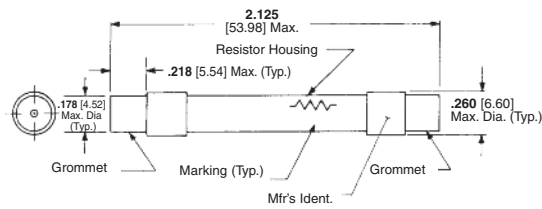


Fig. 1D

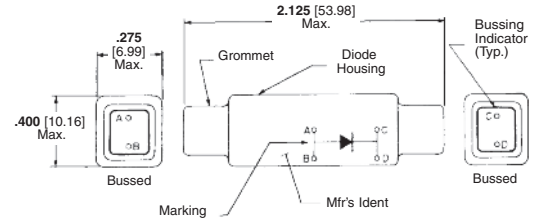


Fig. 5D

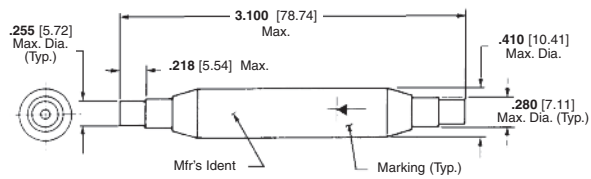


Fig. 2D

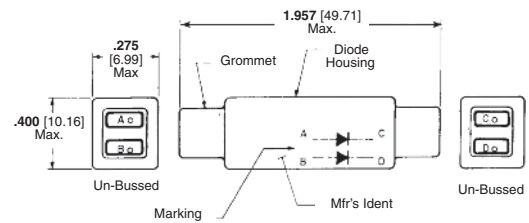


Fig. 6D

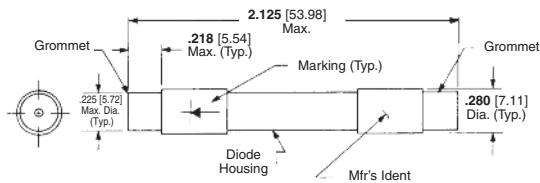


Fig. 3D

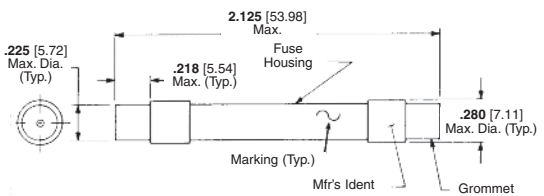


Fig. 7D

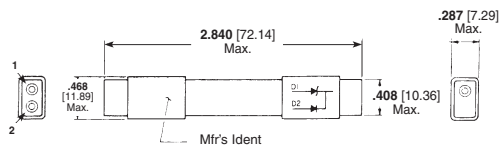


Fig. 4D

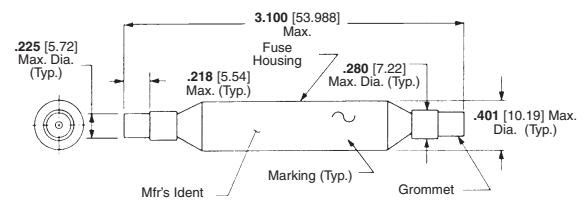


Fig. 8D

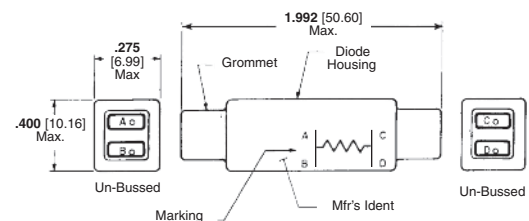


Fig. 9D

Electronic Module Blocks and Splices Part Numbering Information

Description	Figure	Part Number	RoHS Compliant Part Number	Electrical Information
Module Blocks	Fig. 1A	591872-1	—	R1=1500 Ω RCR07G152JS
		591873-1	—	R1=9100 Ω RLR07C9101GS
		591829-3	—	R1=150 Ω
		591899-1	—	R=RLR20C10R0GS 10 Ω
		591892-1	—	R1=R2=127 Ω RNC55H1270FS
	Fig. 2A	591898-1	5-591898-1	R1=R2=10 Ω RLR20C10R0GS
		591876-1	—	R1=180 Ω RLR07C1800GS R2=487 Ω RLR07C4870FS
		591871-1	5-591871-1	R1=R2=2200 Ω RCR07G222JS
		591875-1	—	R1=180 Ω RLR07C1800GS R2=348 Ω RLR07C3480FS
	Fig. 4A	591911-1	—	R1=34.8 k Ω R2=21.5 k Ω
	Fig. 5B	591854-1	—	D1=D2=D3=D4=D5=JAN1N5618
		591855-1	—	D1=D2=D3=D4=D5=JANTX1N5618
		591857-2	—	D1=D2=D3=D4=D5=JANTX1N5618
	Fig. 7B	592887-1	—	D1=D2=D3=D4=1N4007
Module Blocks (Diode Circuits)	Fig. 1B	591893-2	—	D1=JANTX1N5624
		591894-2	—	D1=JANTX1N751A
		591896-2	—	D1=JANTX1N5552
		591893-2	—	D1=JANTX1N5624
		591894-2	—	D1=JANTX1N751A
	Fig. 5B	591895-2	5-591895-2	D1=JANTX1N5618
		591864-1	5-591864-1	D1=JAN1N5618
		591866-1	—	D1=D2=D3=D4=D5=JANTX1N5554
		591863-1	5-591863-1	D1=D2=D3=D4=D5=JANTX1N5552
		591863-4	—	D1=D2=D3=D4=D5=1N4007
	Fig. 7B	591865-1	—	D1=D2=D3=D4=D5=JANTX1N5618 Class A
		591855-1	—	D1=D2=D3=D4=D5=JANTX1N5618
Splices	Fig. 2D	591917-1	5-591917-1	R1=RN65C1270F 127 Ω
		591917-3	—	R1=RNC60J1002FS 10 Ω
		591917-4	—	R1=RC20GF681J 680 Ω
		591917-5	—	R1=RLR32C1201GM 1200 Ω
		591917-7	—	R1=RLR32C1000GS 100 Ω
		1-591917-2	—	R1=RLR07C1001GR 1000 Ω
		1-591917-3	—	R1=RLR32C1000GR 100 Ω
	Fig. 3D	591846-2	—	D1=1N5199
		591847-3	—	D1=JAN1N5618
	Fig. 4D	591992-1	—	D1=JANTX1N4972 D2=JANTX1N5618
	Fig. 5D	591841-1	5-591841-1	D1=JAN1N5618
		591889-1	5-591889-1	D1=1N3981
		591890-1	5-591890-1	D1=1N5367B
	Fig. 6D	591842-1	5-591842-1	D1=D2=JAN1N5618

Military Cross Reference

Note: Products are also qualified to VG 95212-31/ VG 95231-102/103/105. Please contact TE Connectivity for cross reference.

Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class A) Size 22		
M81714/1-AA1	—	592634-4
M81714/1-AB1	—	592634-2
M81714/1-AB2	—	1-592634-2
M81714/1-AB3	—	1-592634-7
M81714/1-AC1	—	1-592634-4
M81714/1-AC2	—	1-592634-0
M81714/1-AD1	—	592634-8
M81714/1-AE1	—	592634-6
(Class A) Size 21		
M81714/17-A31	592630-3	592630-4
M81714/17-A32	592630-5	592630-6
M81714/17-A33	592630-7	592630-8
M81714/17-A34	592630-9	1-592630-0
M81714/17-A35	1-592630-1	1-592630-2
M81714/17-A36	1-592630-3	1-592630-4
M81714/17-A37	1-592630-5	1-592630-6
M81714/17-A38	1-592630-7	1-592630-8
M81714/17-A39	1-592630-9	2-592630-0
M81714/17-A40	2-592630-1	2-592630-2
M81714/17-A42	2-592630-3	2-592630-4
M81714/17-A43	4-592630-3	4-592630-4
M81714/17-A44	2-592630-5	2-592630-6
M81714/17-A45	2-592630-7	2-592630-8
(Class A) Size 20		
M81714/2-AA1	592625-5	592625-6
M81714/2-AB1	592625-3	592625-4
M81714/2-AB2	1-592625-3	1-592625-4
M81714/2-AB3	2-592625-1	2-592625-2
M81714/2-AC1	1-592625-5	1-592625-6
M81714/2-AC2	1-592625-1	1-592625-2
M81714/2-AD1	592625-9	1-592625-0
M81714/2-AE1	592625-7	592625-8
(Class A) Size 16		
M81714/3-AA1	592621-7	592621-8
M81714/3-AB1	592621-5	592621-6
M81714/3-AB2	1-592621-1	1-592621-2
M81714/3-AC1	1-592621-3	1-592621-4
M81714/3-AC2	592621-9	1-592621-0
M81714/3-AD1	592621-3	592621-4
(Class A) Size 12		
M81714/4-AA1	—	592617-8
M81714/4-AB1	—	592617-6
M81714/4-AB2	—	1-592617-2
M81714/4-AC1	—	1-592617-4
M81714/4-AC2	—	1-592617-0
M81714/4-AD1	—	592617-4
(Class B) Size 22		
M81714/1-BA1	—	592636-4
M81714/1-BB1	—	592636-2
M81714/1-BB2	—	1-592636-2
M81714/1-BB3	—	1-592636-6
M81714/1-BC1	—	1-592636-4
M81714/1-BC2	—	1-592636-0
M81714/1-BD1	—	592636-8
M81714/1-BE1	—	592636-6
(Class B) Size 21		
M81714/17-B31	592631-3	592631-4
M81714/17-B32	592631-5	592631-6
M81714/17-B33	592631-7	592631-8

Feedback Modules (Class B) Size 21 Continued on page 8-176

Military Cross Reference (Continued)

Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class B) Size 21 (Continued)		
M81714/17-B34	592631-9	1-592631-0
M81714/17-B35	1-592631-1	1-592631-2
M81714/17-B36	1-592631-3	1-592631-4
M81714/17-B37	1-592631-5	1-592631-6
M81714/17-B38	4-592631-4	—
M81714/17-B39	1-592631-7	1-592631-8
M81714/17-B40	4-592631-2	—
M81714/17-B42	1-592631-9	2-592631-0
M81714/17-B43	2-592631-1	2-592631-2
M81714/17-B44	2-592631-4	2-592631-5
M81714/17-B45	4-592631-3	—
(Class B) Size 20		
M81714/2-BA1	592627-3	592627-4
M81714/2-BB1	592627-1	592627-2
M81714/2-BB2	1-592627-1	1-592627-2
M81714/2-BB3	1-592627-5	1-592627-6
M81714/2-BC1	1-592627-3	1-592627-4
M81714/2-BC2	592627-9	1-592627-0
M81714/2-BD1	592627-7	592627-8
M81714/2-BE1	592627-5	592627-6
(Class B) Size 16		
M81714/3-BA1	592623-5	592623-6
M81714/3-BB1	592623-3	592623-4
M81714/3-BB2	592623-9	1-592623-0
M81714/3-BC1	1-592623-1	1-592623-2
M81714/3-BC2	592623-7	592623-8
M81714/3-BD1	592623-1	592623-2
(Class B) Size 12		
M81714/4-BA1	—	592619-6
M81714/4-BB1	—	592619-4
M81714/4-BB2	—	1-592619-0
M81714/4-BC1	—	1-592619-2
M81714/4-BC2	—	592619-8
M81714/4-BD1	—	592619-2
(Class C) Size 22		
M81714/1-CA1	—	592635-4
M81714/1-CB1	—	592635-2
M81714/1-CB2	—	1-592635-2
M81714/1-CB3	—	1-592635-6
M81714/1-CC1	—	1-592635-4
M81714/1-CC2	—	1-592635-0
M81714/1-CD1	—	592635-8
M81714/1-CE1	—	592635-6
(Class C) Size 21		
M81714/17-C31	592632-1	592632-2
M81714/17-C32	4-592632-3	—
M81714/17-C33	592632-3	592632-4
M81714/17-C34	592632-5	—
M81714/17-C35	592632-6	592632-7
M81714/17-C36	592632-8	592632-9
M81714/17-C37	1-592632-1	1-592632-2
M81714/17-C38	1-592632-3	—
M81714/17-C39	4-592632-4	—
M81714/17-C40	1-592632-4	1-592632-5
M81714/17-C41	4-592632-1	—
M81714/17-C42	4-592632-5	—
M81714/17-C43	1-592632-6	1-592632-7
M81714/17-C44	1-592632-8	1-592632-9
M81714/17-C45	4-592632-6	—

Military Cross Reference (Continued)

Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class C) Size 20		
M81714/2-CA1	592626-3	592626-4
M81714/2-CB1	592626-1	592626-2
M81714/2-CB2	1-592626-1	1-592626-2
M81714/2-CB3	2-592626-4	1-592626-5
M81714/2-CC1	1-592626-3	1-592626-4
M81714/2-CC2	592626-9	1-592626-0
M81714/2-CD1	592626-7	592626-8
M81714/2-CE1	592626-5	592626-6
(Class C) Size 16		
M81714/3-CA1	592622-5	592622-6
M81714/3-CB1	592622-3	592622-4
M81714/3-CB2	592622-9	1-592622-0
M81714/3-CC1	1-592622-1	1-592622-2
M81714/3-CC2	592622-7	592622-8
M81714/3-CD1	592622-1	592622-2
(Class C) Size 12		
M81714/4-CA1	—	592618-6
M81714/4-CB1	—	592618-4
M81714/4-CB2	—	1-592618-0
M81714/4-CC1	—	1-592618-2
M81714/4-CC2	—	592618-8
M81714/4-CD1	—	592618-2
(Class D) Size 22		
M81714/1-DA1	—	592633-4
M81714/1-DB1	—	592633-2
M81714/1-DB2	—	1-592633-2
M81714/1-DB3	—	2-592633-0
M81714/1-DC1	—	1-592633-4
M81714/1-DC2	—	1-592633-0
M81714/1-DD1	—	592633-8
M81714/1-DE1	—	592633-6
(Class D) Size 21		
M81714/17-D31	592629-1	592629-2
M81714/17-D32	592629-3	592629-4
M81714/17-D33	592629-5	592629-6
M81714/17-D34	592629-7	592629-8
M81714/17-D35	592629-9	1-592629-0
M81714/17-D36	4-592629-4	—
M81714/17-D37	1-592629-1	1-592629-2
M81714/17-D38	1-592629-3	1-592629-4
M81714/17-D39	1-592629-5	1-592629-6
M81714/17-D40	1-592629-7	1-592629-8
M81714/17-D42	4-592629-2	4-592629-0
M81714/17-D43	4-592629-3	—
M81714/17-D44	1-592629-9	2-592629-0
M81714/17-D45	4-592629-5	2-592629-2
(Class D) Size 20		
M81714/2-DA1	592624-3	592624-4
M81714/2-DB1	592624-1	592624-2
M81714/2-DB2	1-592624-0	1-592624-1
M81714/2-DB3	1-592624-8	1-592624-9
M81714/2-DC1	1-592624-2	1-592624-3
M81714/2-DC2	2-592624-2	592624-9
M81714/2-DD1	592624-7	592624-8
M81714/2-DE1	592624-5	592624-6

Military Cross Reference (Continued)

Military Part Numbers Feedback Modules	AMP MIL Qualified Part Numbers Feedback Modules	AMP Commercial Part Numbers Feedback Modules
(Class D) Size 16		
M81714/3-DA1	592620-5	592620-6
M81714/3-DB1	592620-3	592620-4
M81714/3-DB2	592620-9	1-592620-0
M81714/3-DC1	1-592620-1	1-592620-2
M81714/3-DC2	592620-7	592620-8
M81714/3-DD1	592620-1	592620-2
M81714/4-DA1	—	592616-6
M81714/4-DB1	—	592616-4
M81714/4-DB2	—	1-592616-0
M81714/4-DC1	—	1-592616-2
M81714/4-DC2	—	592616-8
M81714/4-DD1	—	592616-1

Military Part Numbers Wire Splice	AMP MIL Qualified Part Numbers Wire Splice	AMP Commercial Part Numbers Wire Splice
(Class A) Size 22		
M81714/11-22A	—	1-592575-9
(Class A) Size 20		
M81714/11-20A	592575-7	1-592575-8
(Class A) Size 16		
M81714/11-16A	592575-4	1-592575-4
(Class A) Size 12		
M81714/11-12A	592575-1	1-592575-3
(Class B) Size 22		
M81714/11-22B	—	1-592575-6
(Class B) Size 20		
M81714/11-20B	592575-9	2-592575-2
(Class B) Size 16		
M81714/11-16B	592575-6	2-592575-0
(Class B) Size 12		
M81714/11-12B	592575-3	—
(Class C) Size 22		
M81714/11-22C	—	1-592575-5
(Class C) Size 20		
M81714/11-20C	592575-8	2-592575-1
(Class C) Size 16		
M81714/11-16C	592575-5	1-592575-9
(Class C) Size 12		
M81714/11-12C	592575-2	—
(Class D) Size 22		
M81714/11-22D	—	592583-7
(Class D) Size 20		
M81714/11-20D	592583-3	592583-6
(Class D) Size 16		
M81714/11-16D	592583-2	592583-5
(Class D) Size 12		
M81714/11-12D	592583-1	—

Military Cross Reference (Continued)

Military Part Numbers Feedthru Modules	AMP MIL Qualified Part Numbers Feedthru Modules	AMP Commercial Part Numbers Feedthru Modules
(Class A) Size 22		
M81714/6-AA1	—	592613-6
M81714/6-AB1	—	592613-4
M81714/6-AB2	—	1-592613-6
M81714/6-AB3	—	2-592613-0
M81714/6-AC1	—	1-592613-8
M81714/6-AC2	—	1-592613-4
M81714/6-AD1	—	1-592613-2
M81714/6-AE1	—	592613-8
M81714/6-AJ1	—	592613-2
(Class A) Size 20		
M81714/7-AA1	—	592609-6
M81714/7-AB1	—	592609-4
M81714/7-AB2	—	1-592609-4
M81714/7-AB3	—	1-592609-8
M81714/7-AC1	—	1-592609-6
M81714/7-AC2	—	1-592609-2
M81714/7-AD1	—	1-592609-0
M81714/7-AE1	—	592609-8
M81714/7-AJ1	—	592609-2

Military Cross Reference (Continued)

Military Part Numbers Feedthru Modules	AMP MIL Qualified Part Numbers Feedthru Modules	AMP Commercial Part Numbers Feedthru Modules
(Class A) Size 16		
M81714/8-AA1	—	592605-8
M81714/8-AB1	—	592605-6
M81714/8-AB2	—	1-592605-2
M81714/8-AC1	—	1-592605-4
M81714/8-AC2	—	1-592605-0
M81714/8-AD1	—	592605-4
M81714/8-AH1	—	592605-2
(Class A) Size 12		
M81714/9-AA1	—	592601-8
M81714/9-AB1	—	592601-6
M81714/9-AB2	—	1-592601-2
M81714/9-AC1	—	1-592601-4
M81714/9-AC2	—	1-592601-0
M81714/9-AD1	—	592601-4
M81714/9-AH1	—	592601-2
(Class B) Size 22		
M81714/6-BA1	—	592615-6
M81714/6-BB1	—	592615-4
M81714/6-BB2	—	1-592615-4
M81714/6-BB3	—	1-592615-8
M81714/6-BC1	—	1-592615-6
M81714/6-BC2	—	1-592615-2
M81714/6-BD1	—	1-592615-0
M81714/6-BE1	—	592615-8
M81714/6-BJ1	—	592615-2
(Class B) Size 20		
M81714/7-BA1	—	592611-6
M81714/7-BB1	—	592611-4
M81714/7-BB2	—	1-592611-4
M81714/7-BB3	—	1-592611-8
M81714/7-BC1	—	1-592611-6
M81714/7-BC2	—	1-592611-2
M81714/7-BD1	—	1-592611-0
M81714/7-BE1	—	592611-8
M81714/7-BJ1	—	592611-2
(Class B) Size 16		
M81714/8-BA1	—	592607-8
M81714/8-BB1	—	592607-6
M81714/8-BB2	—	1-592607-2
M81714/8-BC1	—	1-592607-4
M81714/8-BC2	—	1-592607-0
M81714/8-BD1	—	592607-4
M81714/8-BH1	—	592607-2
(Class B) Size 12		
M81714/9-BA1	—	592603-8
M81714/9-BB1	—	592603-6
M81714/9-BB2	—	1-592603-2
M81714/9-BC1	—	1-592603-4
M81714/9-BC2	—	1-592603-0
M81714/9-BD1	—	592603-4
M81714/9-BH1	—	592603-2

Military Cross Reference (Continued)

Military Part Numbers Feedthru Modules	AMP MIL Qualified Part Numbers Feedthru Modules	AMP Commercial Part Numbers Feedthru Modules
(Class C) Size 22		
M81714/6-CA1	—	592614-6
M81714/6-CB1	—	592614-4
M81714/6-CB2	—	1-592614-4
M81714/6-CB3	—	1-592614-8
M81714/6-CC1	—	1-592614-6
M81714/6-CC2	—	1-592614-2
M81714/6-CD1	—	1-592614-0
M81714/6-CE1	—	592614-8
M81714/6-CJ1	—	592614-2
(Class C) Size 20		
M81714/7-CA1	—	592610-6
M81714/7-CB1	—	592610-4
M81714/7-CB2	—	1-592610-5
M81714/7-CB3	—	1-592610-9
M81714/7-CC1	—	1-592610-7
M81714/7-CC2	—	1-592610-3
M81714/7-CD1	—	1-592610-1
M81714/7-CE1	—	592610-8
M81714/7-CJ1	—	592610-2
(Class C) Size 16		
M81714/8-CA1	—	592606-8
M81714/8-CB1	—	592606-6
M81714/8-CB2	—	1-592606-2
M81714/8-CC1	—	1-592606-4
M81714/8-CC2	—	1-592606-0
M81714/8-CD1	—	592606-4
M81714/8-CH1	—	592606-2
(Class C) Size 12		
M81714/9-CA1	—	592602-8
M81714/9-CB1	—	592602-6
M81714/9-CB2	—	1-592602-2
M81714/9-CC1	—	1-592602-4
M81714/9-CC2	—	1-592602-0
M81714/9-CD1	—	592602-4
M81714/9-CH1	—	592602-2