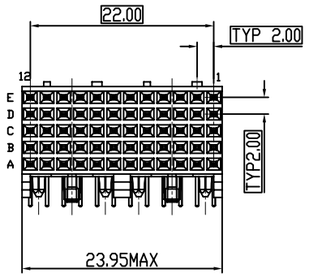
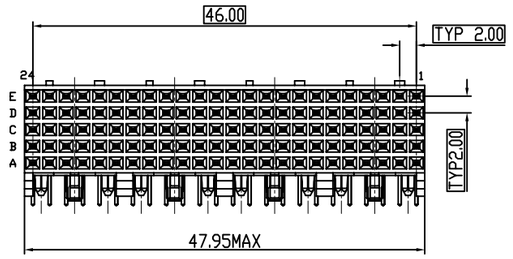


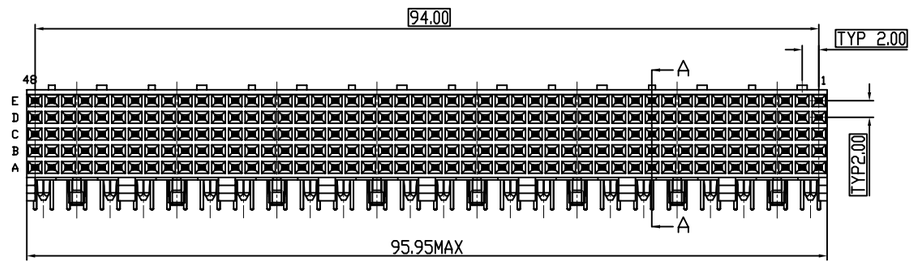
30 POSTION



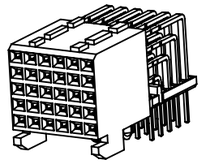
60 POSTION



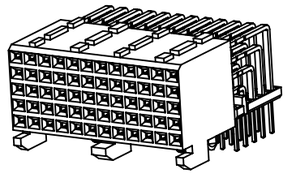
120 POSTION



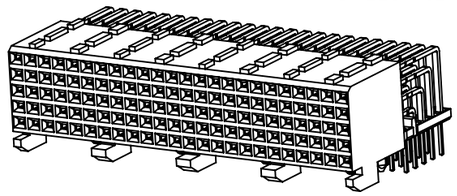
240 POSTION



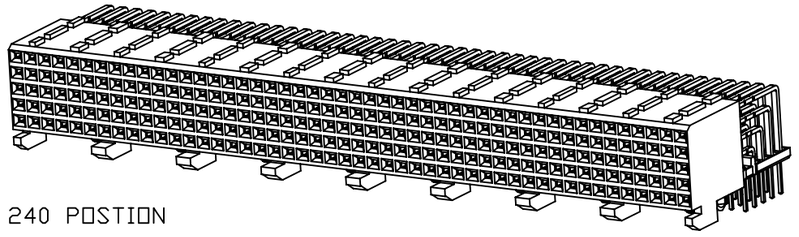
30 POSTION



60 POSTION



120 POSTION



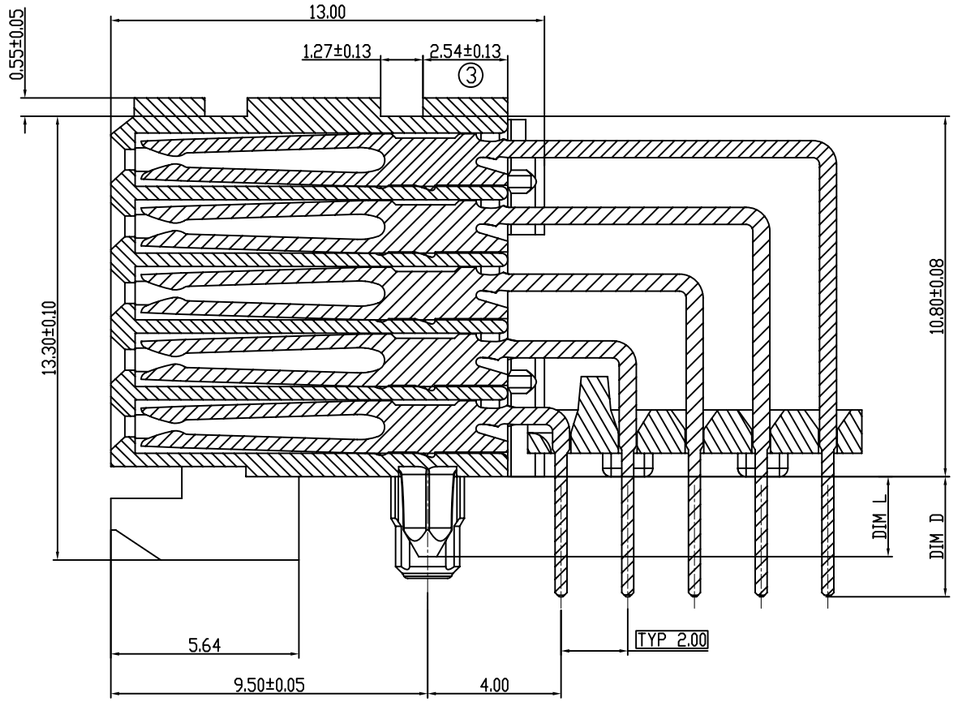
240 POSTION

NOTE: UNLESS OTHERWISE SPECIFIED;

1. CONNECTOR MATERIALS:
   HOUSING: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT
   KEEPER: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT
   TERMIANL: PHOSPHOR BRONZE ALLOY.
2. PACKED IN TUBES.
3. FEATURE MAY OR MAY NOT BE PRESENT DEPENDING UPON THE MOLD TOOL USED TO PRODUCE PRODUCT.
4. PRODUCT SPEIFICATION: GS-12-177.
5. APPLICATION SPECIFICATION: GS-20-015.
6. THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
7. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 206° C FOR 60 SECONDS IN CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
8. LOCATION PEGS ARE ONLY EXISTED IN ONE MODULE.

mat'l code NOTE 1 & 2				tolerance unless otherwise specified			CUSTOMER COPY	www.fciconnect.com
rev	ecn no.	dr	date	linear	.0 ± .50		projection	title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB
K	V05-0439	VS	07/14/05		.00 ± .15			
L	DG06-0378	KL	09/05/06		.000± .10			
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°		unit MM	product family USB / code NT
N	DG06-0534	Cenh	14/12/06	dr	V.SEBASTIAN	7/14'05		
P	DG08-0173	TER	02/07/08	engr	J.VOLSTROF	7/14'05		
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTROF	7/14'05	scale 4:1	size A3 / dwg no. SE96847 / sheet 1 OF 3
S	ELX-N-23029	Nick	01/13/16	appd	J.VOLSTROF	7/14'05		
sheet	revision	S						
index	sheet	1-3						

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SECTION A-A

TABLE 1

	PCB THICKNESS	DIM D	DIM L	RETENTION FEATURES
~~HM1 F 5_ T A R 000 H6~~	1.60	2.90±0.30	~~5.20~~	~~PRESS-FIT PEGS~~
~~HM1 F 5_ T B R 000 H6~~	2.40	3.60±0.30		
HM1 F 5_ T A P 000 H6	1.60	2.90±0.30	3.00	PRESS-FIT PEGS
HM1 F 5_ T B P 000 H6	2.40	3.60±0.30	3.00	

OBSOLETE

TABLE 2

CODE	CONTACT AREA	PERFORMANCE LEVEL
6	0.75um Au Min over 1.3um Ni Min or 0.68um PdNi Min + 0.08um Au Min over 1.3um Ni Min.	TELCORDIA CO

TABLE 2

CATALOG NUMBER DESCRIPTION

HM1 F 5 _ T _ P 000 H 6 LF

PRODUCT FAMILY
HM1 = METRAL HM1

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
5 = 5 ROW

BODY LENGTH
1 = 12.00 (30 POSITION SIGNAL)
2 = 24.00 (60 POSITION SIGNAL)
3 = 48.00 (120 POSITION SIGNAL)
4 = 96.00 (240 POSITION SIGNAL)

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.6mm PCB
B = SOLDER TAIL, FOR 2.4mm PCB

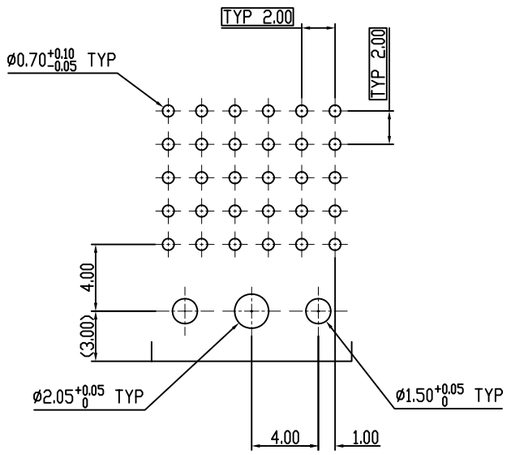
BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG

VARIATIONS
000 = STANDARD

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

PERFORMANCE LEVEL
SEE TABLE 2
(6 = TELCORDIA CO)

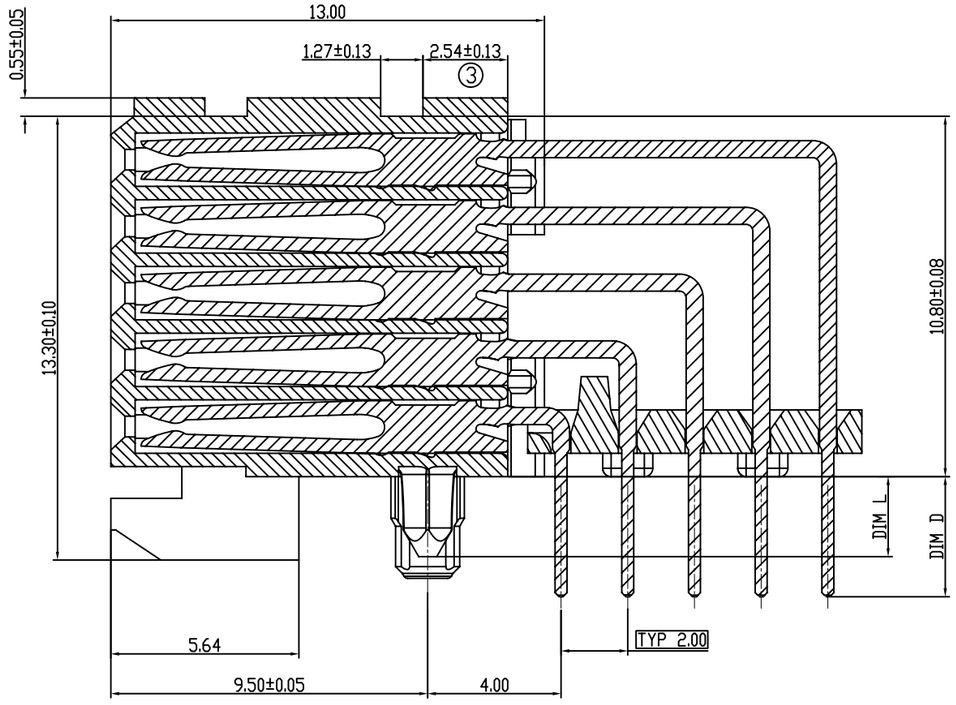
LF = LEAD FREE Sn PLATING ON TAILS



RECOMMENDED PC BOARD LAYOUT,
COMPONENT SIDE
SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION

mat'l code NOTE 1 & 2				tolerance unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com	
rev	ecn no.	dr	date	linear	.0 ± .50				
K	V05-0439	VS	07/14/05		.00 ± .15		projection	title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB	
L	DG06-0378	KL	09/05/06		.000± .10				
M	DG06-0434	Cenh	10/23/06	angles	0° ± 3°				
N	DG06-0534	Cenh	14/12/06	dr	V.SEBASTIAN	7/14'05	unit MM	product family USB	code NT
P	DG08-0173	TER	02/07/08	engr	J.VOLSTROF	7/14'05		size A3 dwg no. SE96847	sheet 2 OF 3
R	N10-0382	Cenh	11/12/10	chr	J.VOLSTROF	7/14'05	scale 4:1		
S	DG06-0378	Nick	01/13/16	appd	J.VOLSTROF	7/14'05			
sheet	revision	S							
index	sheet	1-3							

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SECTION A-A

CATALOG NUMBER DESCRIPTION

HM1 F 5 _ T _ P 400 H _ _ LF

PRODUCT FAMILY
HM1 = METRAL HM1

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
5 = 5 ROW

BODY LENGTH
1 = 12.00 (30 POSITION SIGNAL)
2 = 24.00 (60 POSITION SIGNAL)
3 = 48.00 (120 POSITION SIGNAL)
4 = 96.00 (240 POSITION SIGNAL)

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.6mm PCB
B = SOLDER TAIL, FOR 2.4mm PCB

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG

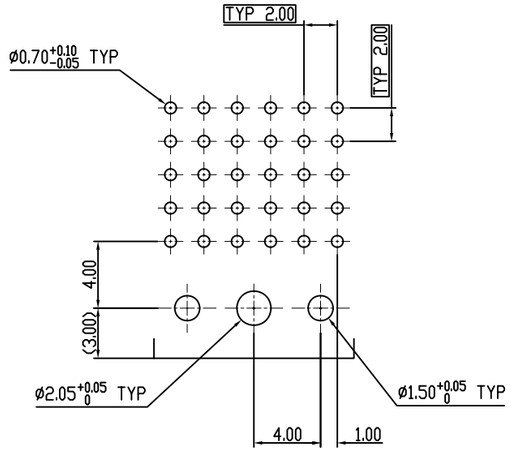
SPECIAL DATAS:
VISUAL INSPECTION: 100%
- MARKING FAILURES
- HOUSING METERIAL FAILURES
- SPOILT HOUSING
- STAINED HOUSING
- BROKEN CONTACTS (Twisted or Loosen)

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

PERFORMANCE LEVEL
6 = TELCORDIA CO

P = PACKAGED IN TRAYS
- = SEE PACKAGE SPEC GS-14-1228

LF = LEAD FREE Sn PLATING ON TAILS



RECOMMENDED PC BOARD LAYOUT,
COMPONENT SIDE
SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION

	PCB THICKNESS	PCB THICKNESS	RETENTION FEATURES
HM1 F 5_ T A P 400 H__LF	1.60	2.90 ±0.30	PRESS-FIT PEGS
HM1 F 5_ T B P 400 H__LF	2.40	3.60 ±0.30	

rev	ecn no.	dr	date
K	V05-0439	VS	07/14/05
L	DG06-0378	KL	09/05/06
M	DG06-0434	Cenh	10/23/06
N	DG06-0534	Cenh	14/12/06
P	DG08-0173	TER	02/07/08
R	N10-0382	Cenh	11/12/10
S	DG06-0378	Nick	01/13/16

mat'l code NOTE 1 & 2

tolerance unless otherwise specified
linear .0 ± .50; .00 ± .15; .000± .10
angles 0° ± 3°

dr	V.SEBASTIAN	7/14'05
engr	J.VOLSTROF	7/14'05
chr	J.VOLSTROF	7/14'05
appd	J.VOLSTROF	7/14'05

CUSTOMER COPY

projection

unit MM

scale 4:1

www.fciconnect.com

title T SERIES R/A RECEPTACLE ASSY,5 RIW,STB

product family USB

code NT

size A3

dwg no. SE96847

sheet 3 OF 3

sheet revision S

index sheet 1-3

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