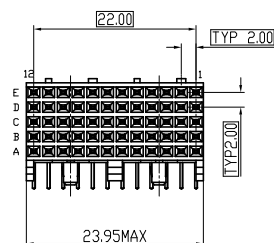
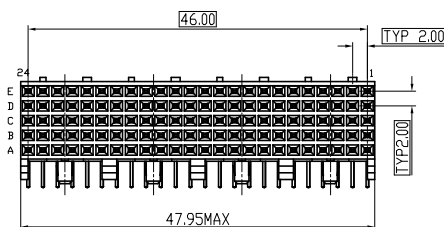
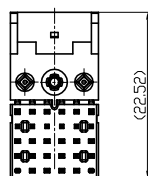


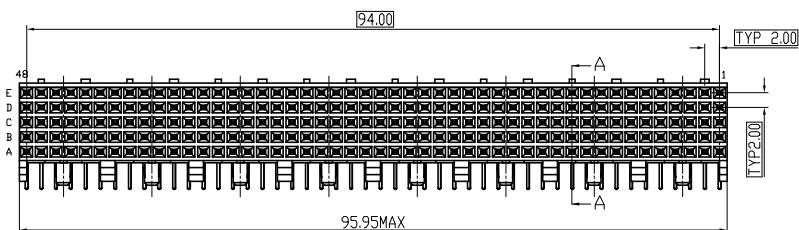
30 POSITION



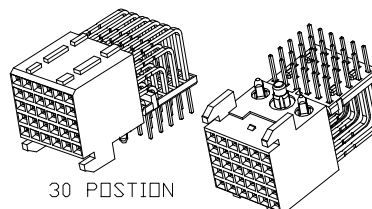
60 POSITION



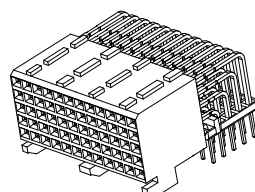
120 POSITION



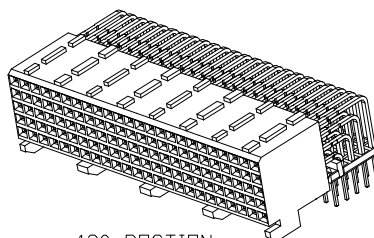
240 POSITION



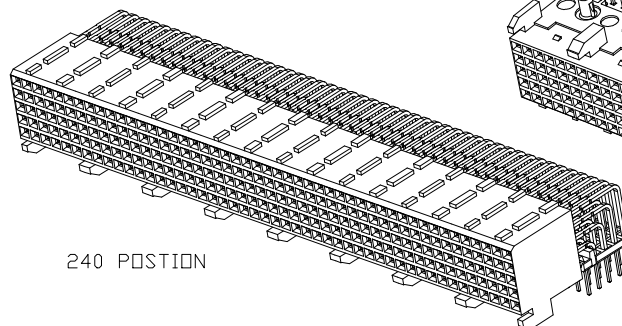
30 POSITION



60 POSITION



120 POSITION



240 POSITION

NOTE: UNLESS OTHERWISE SPECIFIED;

1. CONNECTOR MATERIALS:
 HOUSING: GLASS FILLED THERMOPLASTIC,
 UL94-V0 COMPLIANT
 KEEPER: GLASS FILLED THERMOPLASTIC,
 UL94-V0 COMPLIANT
 TERMINAL: 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 SPECIFICATION: 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 260°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				surface	tolerance	projection	product family	
				ISO 1302	ISO 406/ISO 1101		METRAL(tm) HPL559	
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
U	EXL-N-25326	Nick	07/14/17	angle	.0±.3	mm	T SERIES R/A	
				0°±2'	.00±.13	scale 1:1	RECEPTACLE ASSY,5 RIW,STB	
N	DG06-0534	Cenh	14/12/06	dr	.000±.051		dwg no	
P	DG08-0173	TER	02/07/08	dr	V.SEBASTIAN	7/14/05	sheet 1 of 3 size	
R	N10-0382	Cenh	11/12/10	eng	J.VOLSTROF	7/14/05	SE96847	
S	ELX-N-23029	NICK	01/13/16	chr	J.VOLSTROF	7/14/05	A4	
T	ELX-N-27474	NICK	7/17/17	appd	J.VOLSTROF	7/14/05	type Product Customer Drawing	
sheet	revision	U						
index	sheet	1						

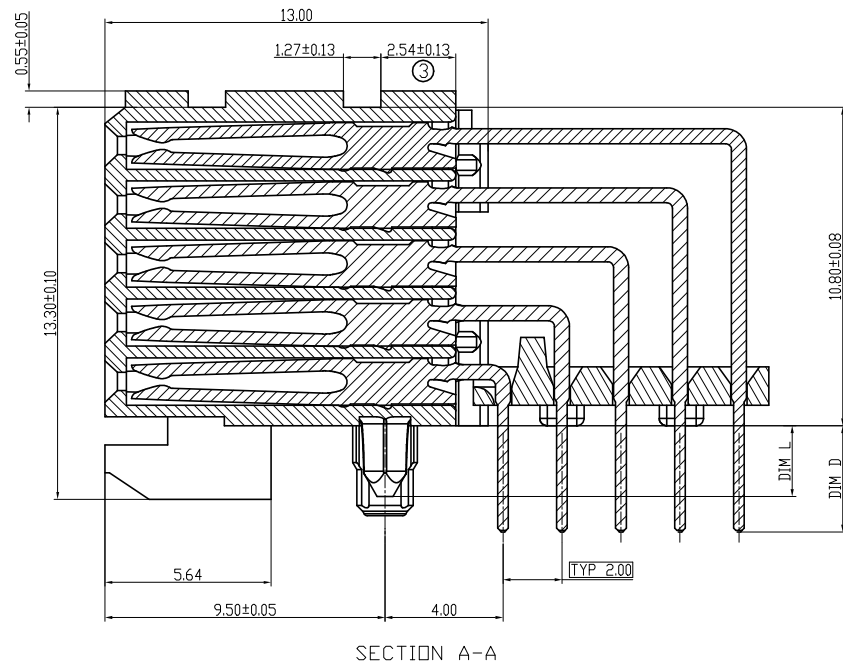


TABLE 1

	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 CD

CATALOG NUMBER DESCRIPTION

HM1 F 5 - T - P 000 H 6 LF

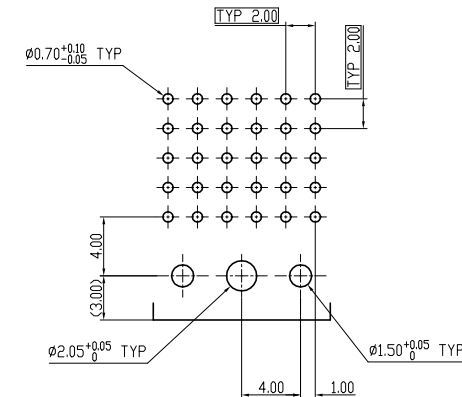
PRODUCT FAMILY
HM1 = METRAL HM1PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLENUMBER OF ROWS
5 = 5 ROWBODY LENGTH
1 = 12.00 (30 POSITION SIGNAL)
2 = 24.00 (60 POSITION SIGNAL)
3 = 48.00 (120 POSITION SIGNAL)
4 = 96.00 (240 POSITION SIGNAL)MATING CONTACT
T = TWISTED FEMALEPCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.6mm PCB
B = SOLDER TAIL, FOR 2.4mm PCB

LF = LEAD FREE Sn PLATING ON TAILS

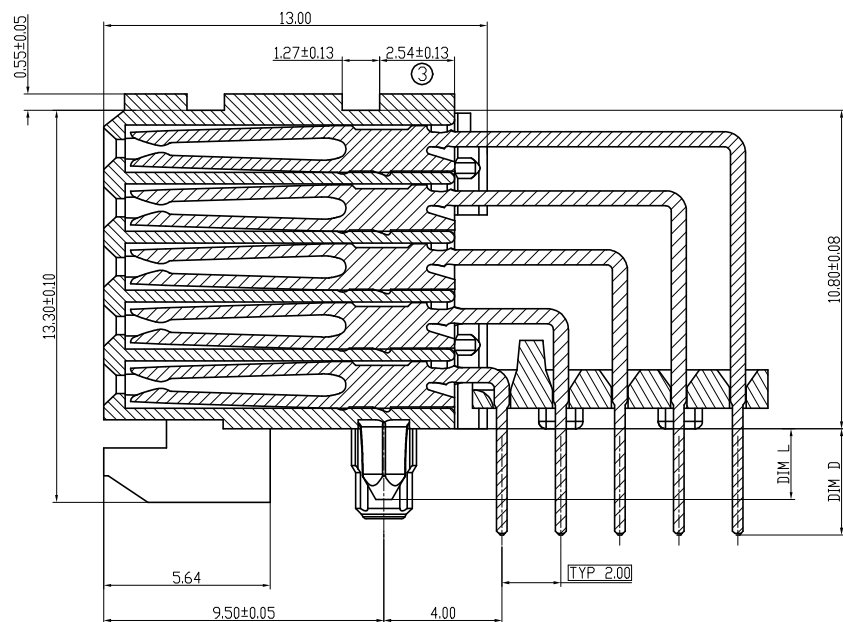
PERFORMANCE LEVEL
SEE TABLE 2
(6 = TELCORDIA CD)INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIALVARIATIONS
000 = STANDARD

BOARD ATTACHMENT

P = PRESS-FIT RETENTION PEG

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

mat'l. code				surface	tolerance	projection	product family
				ISO 1302	ISO 406/ISO 1101		METRAL(tm) HPL559
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
u				angle	.0±.3	mm	T SERIES R/A
				0±2°	.00±.13	scale 1:1	RECEPTACLE ASSY,5 RIW,STB
					.000±.051		
		dr	V.SEBASTIAN	7/14/05			dwg no
		engr	J.VOLSTROF	7/14/05			sheet 2 of 3 size
		chr	J.VOLSTROF	7/14/05			SE96847
		appd	J.VOLSTROF	7/14/05			A4
sheet index	revision	u					type
	sheet	1					Product Customer Drawing



SECTION A-A

	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	

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

CATALOG NUMBER DESCRIPTION

HM1 F 5 _ T P 400 H _ _ LF

LF = LEAD FREE Sn PLATING ON TAILS

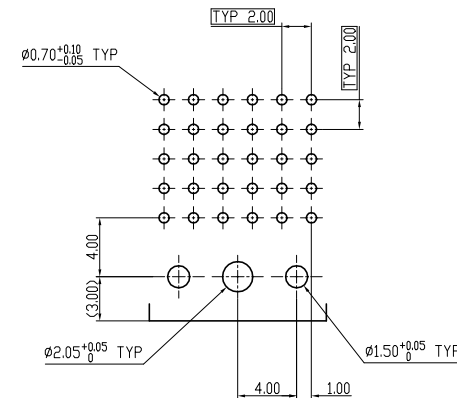
P = PACKAGED IN TRAYS
_ = SEE PACKAGE SPEC GS-14-1228

PERFORMANCE LEVEL
6 = TELCORDIA CD

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

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

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG



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

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406/ISO 1101		METRAL(tm) HPL559			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
u				angle	.0±.3	mm	T SERIES R/A RECEPTACLE ASSY,5 RIW,STB			
				0±2°	.00±.13	scale 1:1				
					.000±.051		dwg no sheet3 of 3 size			
				dr	V.SEBASTIAN	7/14/05	SE96847			
				engr	J.VOLSTROF	7/14/05	Product Customer Drawing			
				chr	J.VOLSTROF	7/14/05				
				appd	J.VOLSTROF	7/14/05				
sheet index	revision	u								
	sheet	1								

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[HM1F53TBP400H6PLF](#)