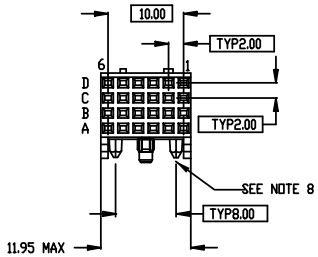
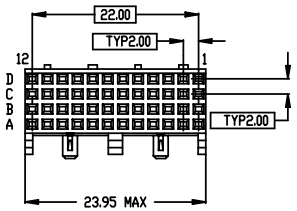
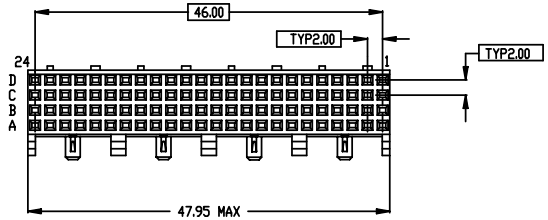


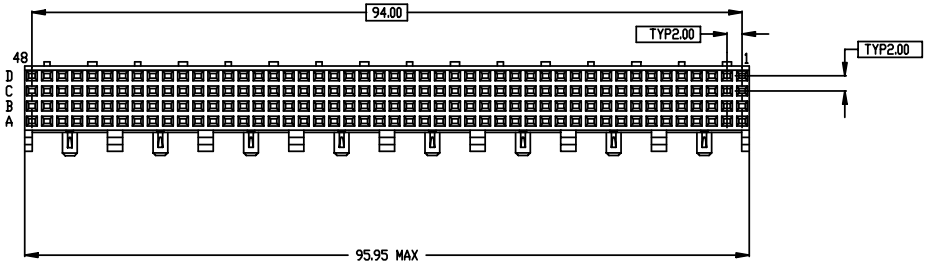
24 POSITION



48 POSITION



96 POSITION



192 POSITION

NOTES: UNLESS OTHERWISE SPECIFIED;

1 CONNECTOR MATERILAS:
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 SPCIFICATION: GS-12-177.

5 APPLICATION SPECIFICATION: GS-20-015.
UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

6 THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN

7 ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

8 LOCATION PEGS ARE EXISTED ONLY IN ONE MODULE

rev	ecn no	dr	date
M	V04-1123	TAB	02/03/05
N	V05-0437	VS	07/14/05
P	V05-1026	JRV	11/7/05
R	DG06-0378	KL	09/01/06
S	DG06-0434	Cenh	10/23/06
T	DG08-0173	TER	7/11/08
U	N10-0382	Cenh	11/13/10

www.fciconnect.com			surface √		tolerance std	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	V. SEBASTIAN	07/14/05	ANGULAR	LINEAR	0.X ± 0.50	size A4	Scale 4:1
Eng	J. VOLSTROF	07/14/05			0.XX ± 0.13		
Chr	J. VOLSTROF	07/14/05	0° ±2°		0.XXX ± -	ECN	N10-0382
Appr	J. VOLSTROF	07/14/05	Product family		METRAL	Spec ref	
title	T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB					dwg no SE96846	Rev. U
catalog no					CUSTOMER	sheet 1 of 4	

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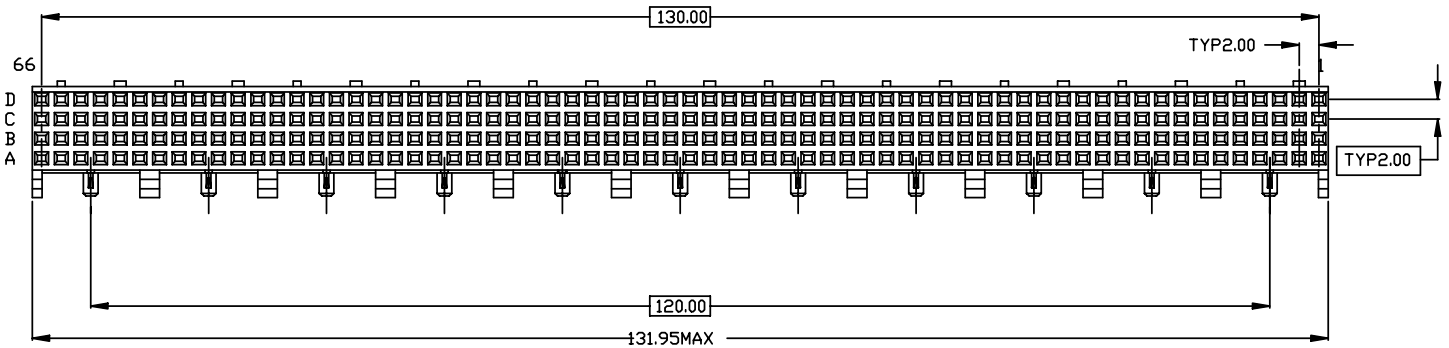
REV F - 2006-04-17

PDM: Rev:U STATUS:Released Printed: Dec 01, 2010



264 POSITION

www.fciconnect.com			surface √		tolerance std		projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED					
Dr	V. SEBASTIAN	07/14/05	ANGULAR	LINEAR	0.X	± 0.50	size A4	Scale 4:1
Eng	J. VOLSTROF	07/14/05			0.XX	± 0.13		
Chr	J. VOLSTROF	07/14/05	0° ±2°		0.XXX	± -	ECN	N10-0382
Appr	J. VOLSTROF	07/14/05	Product family		METRAL		Spec ref	
	title	T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB			dwg no	SE96846		Rev. U
	catalog no				CUSTOMER		sheet 2 of 4	

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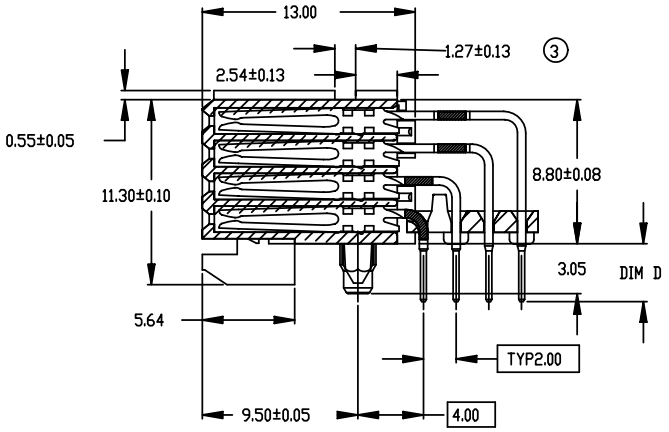
REV F - 2006-04-17

PDM: Rev:U STATUS:Released Printed: Dec 01, 2010



CATALOG NUMBER DESCRIPTION

HM1 F 4 _ T _ P ___ H _ LF

PRODUCT FAMILY
HM1 = METRAL HM1

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
4 = 4 ROW

BODY LENGTH
1 = 12.00 (24 POSITION SIGNAL)
2 = 24.00 (48 POSITION SIGNAL)
3 = 48.00 (96 POSITION SIGNAL)
4 = 96.00 (192 POSITION SIGNAL)
9 = NON-STANDARD

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.60mm PCB
B = SOLDER TAIL, FOR 2.40mm PCB

VARIATIONS
000 = STANDARD
802 = 264 POSITION SIGNAL

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

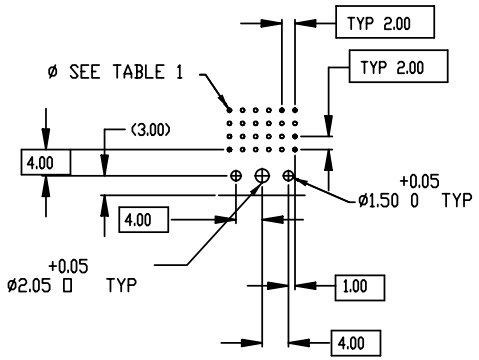
PERFORMANCE LEVEL
6 = SEE TABLE 2
M = 0.38 MICRONS Au MIN OVER Ni

LF = LEAD FREE Sn PLATING ON TAILS

	PCB THICKNESS	DIM D	RETENTION FEATURES	
~~HM1 F 4_ T A R 000 H6~~	~~1.60~~	~~2.90±0.30~~	HEAT STAKE PEGS	OBSOLETE
~~HM1 F 4_ T B R 000 H6~~	~~2.40~~	~~3.60±0.30~~		
HM1 F 4_ T A P 000 H6	1.60	2.90 ±0 .30	PRESS-FIT PEGS	
HM1 F 4_ T B P 000 H6	2.40	3.60 ±0 .30		
HM1 F 49 T A P 802 H6	1.60	2.90 ±0 .30		

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



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

www.fciconnect.com			surface √		tolerance std	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	V. SEBASTIAN	07/14/05	ANGULAR	LINEAR	0.X ± 0.50	size A4	Scale 4:1
Eng	J. VOLSTROF	07/14/05			0.XX ± 0.13		
Chr	J. VOLSTROF	07/14/05	0° ±2°		0.XXX ± -	ECN	N10-0382
Appr	J. VOLSTROF	07/14/05	Product family		METRAL	Spec ref	
FCI	title: T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB					dwg no SE96846	Rev. U
	catalog no					CUSTOMER	sheet 3 of 4

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REV F - 2006-04-17

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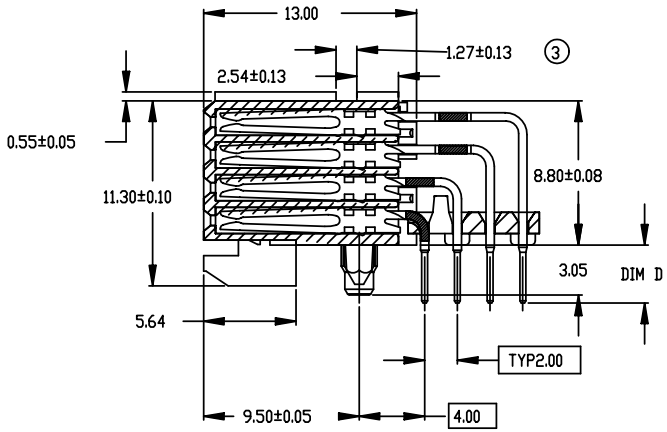

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T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.60mm PCB
B = SOLDER TAIL, FOR 2.40mm PCB

BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG

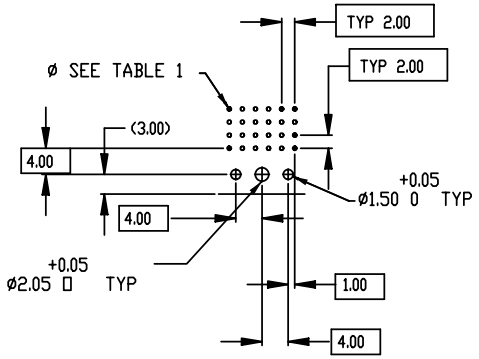
SPECIAL DATA5
VISUAL INSPECTION 100%
- MARKING FAILURES
- HOUSING METERIAL FAILURES
- SPOILT HOUSING
- STAINED HOUSING
- BROKEN CONTACTS (Twisted or Loosen)

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

PERFORMANCE LEVEL
6 = TELCORDIA CO
E = CUSTOMER SPECIAL
0.75 um GOLD SELECTIVE PLATING

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

LF = LEAD FREE Sn PLATING ON TAILS



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

	PCB THICKNESS	DIM D	RETENTION FEATURES
HM1 F 4_ T A P 400 H__LF	1.60	2.90 ±0 .30	PRESS-FIT PEGS
HM1 F 4_ T B P 400 H__LF	2.40	3.60 ±0 .30	

www.fciconnect.com			surface		tolerance std	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED				
Dr	V. SEBASTIAN	07/14/05	ANGULAR	LINEAR	0.X ± 0.50	size A4	Scale 4:1
Eng	J. VOLSTROF	07/14/05			0.XX ± 0.13		
Chr	J. VOLSTROF	07/14/05	0° ±2°		0.XXX ± -	ECN	N10-0382
Appr	J. VOLSTROF	07/14/05	Product family		METRAL	Spec ref	
title	T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB					dwg no SE96846	Rev. U
catalog no						CUSTOMER	sheet 4 of 4

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Электронная почта: sales@st-electron.ru

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