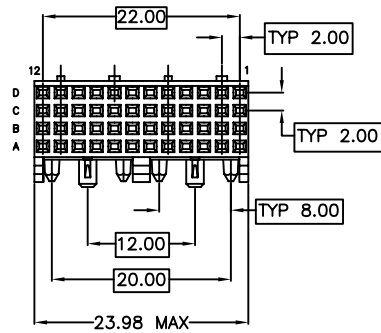
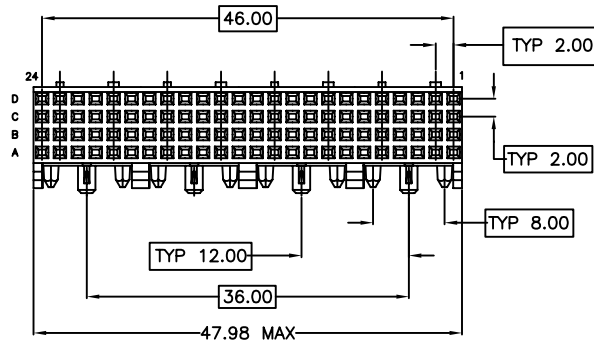


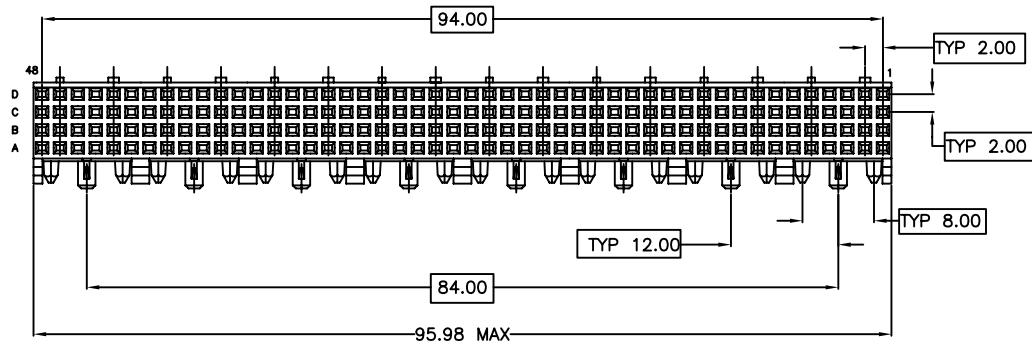
24 POSITION



48 POSITION



96 POSITION



192 POSITION

NOTES: UNLESS OTHERWISE SPECIFIED;

- 1 CONNECTOR MATERIALS:  
HOUSING: GLASS FILLED THERMOPLASTIC,  
UL94-V0 COMPLIANT.  
TERMINAL: PHOSPHOR BRONZE ALLOY
- 2 CONTACT FINISH:  
PERFORMANCE LEVEL 6 = 0.75 MICRONS [30 MICROINCHES] MIN GOLD IN MATING AREA,  
0.51 MICRONS [20 MICROINCHES] MIN TIN LEAD ON CONTACT TAILS,  
1.91 MICRONS [75 MICROINCHES] MIN NICKEL ALL OVER.
- 3 FEATURE MAY OR MAY NOT BE PRESENT DEPENDING UPON THE MOLD TOOL USED TO PRODUCE PRODUCT.

A

A

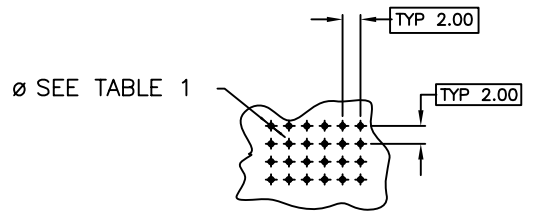
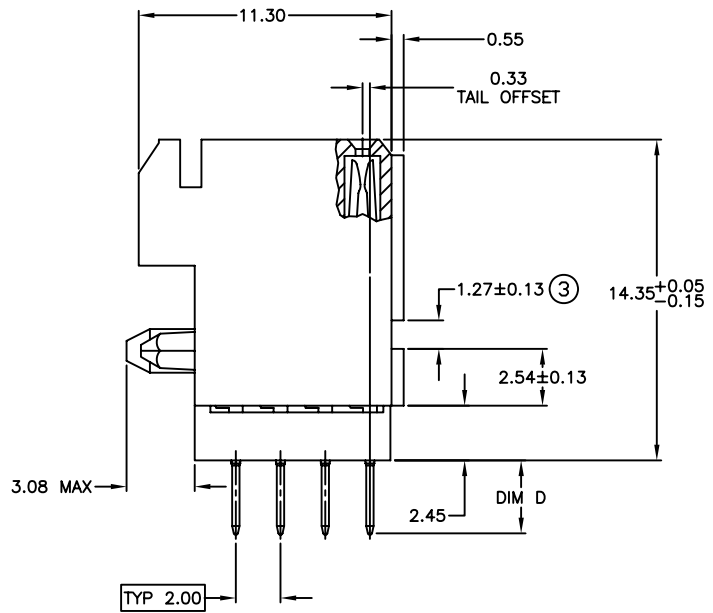
B

B

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY	<b>FCI</b> www.fciconnect.com
ltr	ecn no	dr	date	linear	.X ±.3		
F	V12575	TAB	10/25/01	linear	.XX ±.13	projection	title F SERIES STRAIGHT RECEPTACLE ASSY, 4 ROW, STB
G	V05-0455	VS	07/14/05	angles	.XXX ±.051		
				dr	0° ±2'	MM	product family
				enr	V. SEBASTIAN 07/14/05		METRAL
				chr	J. VOLSTROF 07/14/05	scale	size
				appd	J. VOLSTROF 07/14/05		4:1
sheet index	revision sheet	G	G				A
		1	2				SE95240
							code
							213
							sheet
							1 of 2

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RECOMMENDED PC BOARD LAYOUT, COMPONENT SIDE

CATALOG NUMBER DESCRIPTION

HM1 S 4 - F - R 000 H 6

PRODUCT FAMILY HM1 = METRAL HM1  
 PRODUCT TYPE S = FEMALE SIGNAL, STRAIGHT  
 NUMBER OF ROWS 4 = 4 ROW  
 BODY LENGTH 1 = 12 mm (24 POSITION SIGNAL)  
 2 = 24 mm (48 POSITION SIGNAL)  
 3 = 48 mm (96 POSITION SIGNAL)  
 4 = 96 mm (192 POSITION SIGNAL)  
 MATING CONTACT F = FLAT FEMALE

PERFORMANCE LEVEL 6 = 125 OPERATIONS + 10 DAYS MIXED GAS + 125 OPERATIONS  
 INSULATING MATERIAL H = HIGH TEMPERATURE MATERIAL  
 VARIATIONS 000 = STANDARD  
 BOARD ATTACHMENT R = STANDARD STRAIGHT  
 PCB TERMINATION TYPE R = SOLDER TAIL, DIM D = 3.30±0.30  
 S = SOLDER TAIL, DIM D = 4.10±0.30

TABLE 1	
PLATED THROUGH HOLE REQUIREMENTS	
DRILL DIAMETER:	Ø 0.85
DRILLED HOLE	Ø 0.81-0.86
COPPER PLATING	25-50 MICROMETERS
TIN-LEAD PLATING	5-15 MICROMETERS
FINISHED HOLE Ø (AFTER REFLOW)	0.65-0.80
TYP LAND SIZE	Ø 1.15

mat'l. code				tolerances unless otherwise specified				CUSTOMER COPY		 www.fciconnect.com	
ltr	ecn no	dr	date	linear	.X ±.3		projection		title		
G					.XX ±.13				F SERIES STRAIGHT RECEPTACLE ASSY, 4 ROW, STB		
					.XXX ±.051				product family METRAL code 213		
				angles	0° ±2°		 MM scale 10:1	size		sheet 2 of 2	
				dr	V. SEBASTIAN	07/14/05		A SE95240			
				enr	J. VOLSTROF	07/14/05					
				chr	J. VOLSTROF	07/14/05					
				appd	J. VOLSTROF	07/14/05					
sheet index	revision sheet							cage code 22526			