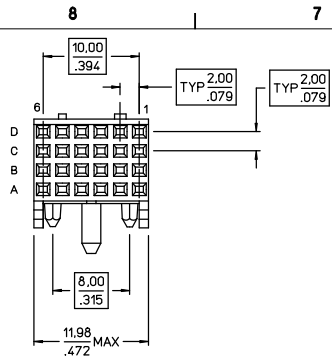


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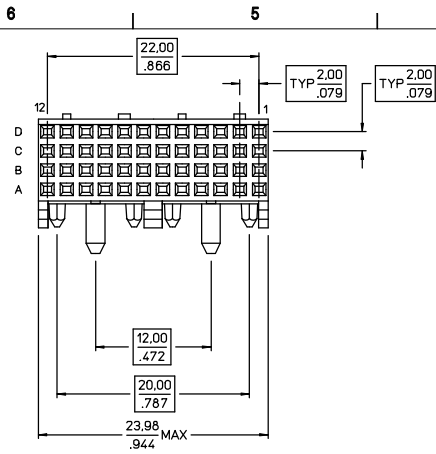
C

B

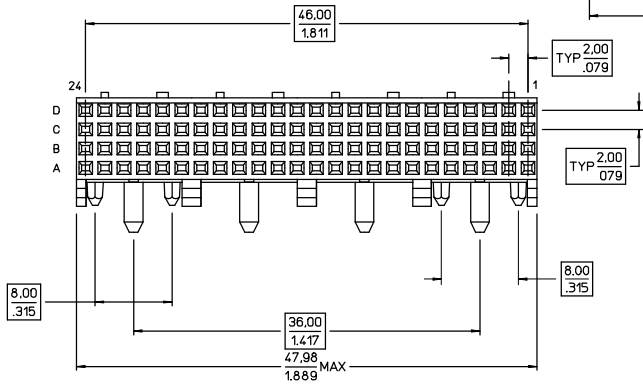
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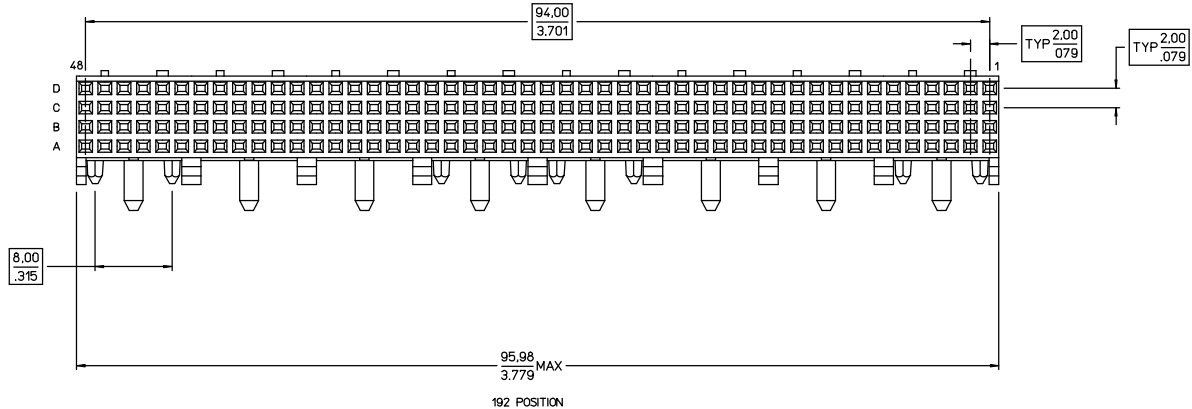
24 POSITION



48 POSITION



96 POSITION



192 POSITION

ORDERING INFORMATION (FOR ADDITIONAL INFORMATION SEE CATALOG NUMBER DESCRIPTION ON SHT 2)

NUMBER OF CONTACTS	PART NO.	PCB THICKNESS	
		1.6 [.063]	2.4 [.094]
REPLACE 'x' BY			
4 X 6 =24	HM1 F41 Fx #000 H_ _	A	B
4 X 12 =48	HM1 F42 Fx #000 H_ _	A	B
4 X 24 =96	HM1 F43 Fx #000 H_ _	A	B
4 X 48 =192	HM1 F44 Fx #000 H_ _	A	B

(\*) R= WITH HOT RIVETING PEDGS OR P= WITH PRESS IN PEDGS

NOTES: UNLESS OTHERWISE SPECIFIED

MEETS THE REQUIREMENTS OF FUTUREBUS AND INDUSTRY STANDARD IEC SC 48B (SEC) 215 AND EIA IS-64

STANDARD DATA:

INSULATOR MATERIAL: GLASS FILLED THERMOPLASTIC MATERIAL (VAPOR PHASE OR INFRARED COMPATIBLE) FLAMMABILITY RATING UL 94-V-0.

CONTACT MATERIAL: COPPER ALLOY

CONTACT FINISH:

PERFORMANCE LEVEL 1: 0.75 MICRONS [30 MICROINCHES] MIN COMBINED 80/20 Pd/Ni 0.05-0.18 MICRONS [2-7 MICROINCHES] GOLD FLASH IN MATING AREA. 1.91 MICRONS [75 MICROINCHES] MIN TIN LEAD ON CONTACT TAILS. ALL OVER 1.27 MICRONS [50 MICROINCHES] MIN NICKEL.

PERFORMANCE LEVEL 6: 0.75 MICRONS [30 MICROINCHES] MIN GOLD IN MATING AREA. 1.91 MICRONS [75 MICROINCHES] MIN TIN LEAD ON CONTACT TAILS. ALL OVER 1.91 MICRONS [75 MICROINCHES] MIN NICKEL.

PERFORMANCE LEVEL 9: 0.64 MICRONS [25 MICROINCHES] MIN COMBINED 80/20 Pd/Ni WITH 0.05-0.18 MICRONS [2-7 MICROINCHES] GOLD FLASH IN MATING AREA. 1.91 MICRONS [75 MICROINCHES] MIN TIN LEAD ON CONTACT TAILS. ALL OVER 1.91 MICRONS [75 MICROINCHES] MIN NICKEL.

PACKAGING			
COMPLETE ASSY CATALOG NO	TRAY	LID	QUANTITY PER TRAY
HM1F41F__000H_LP	8626-4107	8626-4109	192
HM1F42F__000H_LP			96
HM1F43F__000H_LP			48
HM1F44F__000H_LP			24

REV	DESCRIPTION	BY	DATE	SHEET NO	ZONE
REVISION					
FEMALE SIGNAL, RIGHT ANGLE SOLDER PINS, 5 ROWS					
CAT. NO. HM1F4_F__000H_ (SEE TABLE)					
INVENTOR	DATE	DESIGNED BY	DATE	CHECKED BY	DATE
DRAWN ONE 03-12-89					
OWN RELEASED TO CENTRAL FILE: 04-12-89					
CASE NO. 1001-184 INC-860 (S2) 0					
DRAWN ONE 03-12-89					
REF. XXX XX-00-00					
DO XXX XX-00-00					
DRAWING NO. 0					
SHEET 1 OF 2					

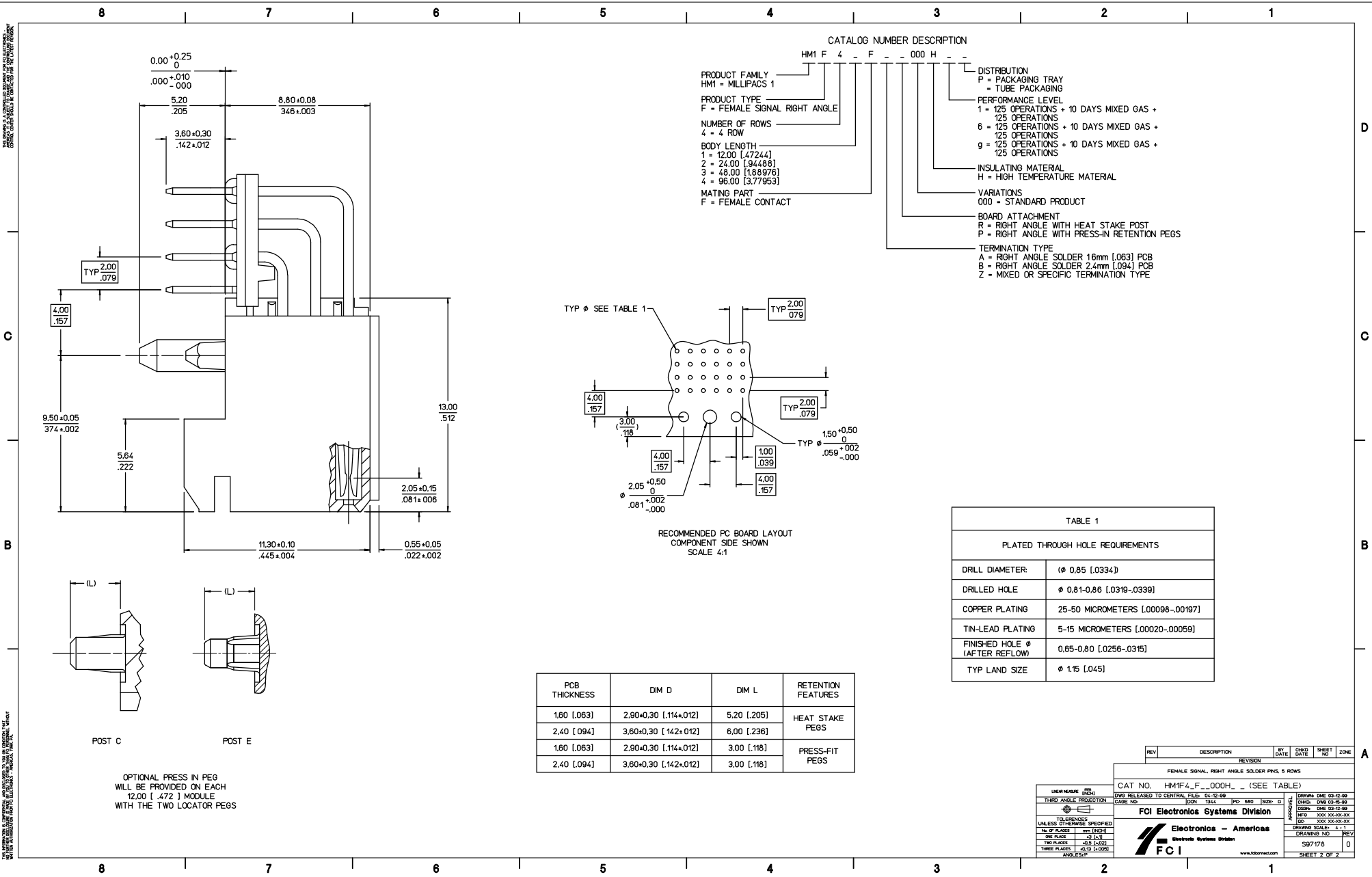
**FCI Electronics Systems Division**

**Electronics - Americas**

**FCI**

www.fciborn.com

THIS DRAWING IS A TECHNICAL DRAWING OF A PRODUCT AND IS NOT TO BE USED FOR REPRODUCTION OR FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.



**CATALOG NUMBER DESCRIPTION**

HM1 F 4 - F - - 000 H - - -

PRODUCT FAMILY  
HM1 - MILLIPACS 1

PRODUCT TYPE  
F - FEMALE SIGNAL RIGHT ANGLE

NUMBER OF ROWS  
4 - 4 ROW

BODY LENGTH  
1 = 12.00 [.47244]  
2 = 24.00 [.94488]  
3 = 48.00 [1.88976]  
4 = 96.00 [3.77953]

MATING PART  
F = FEMALE CONTACT

DISTRIBUTION  
P = PACKAGING TRAY  
- = TUBE PACKAGING

PERFORMANCE LEVEL  
1 = 125 OPERATIONS + 10 DAYS MIXED GAS + 125 OPERATIONS  
6 = 125 OPERATIONS + 10 DAYS MIXED GAS + 125 OPERATIONS  
g = 125 OPERATIONS + 10 DAYS MIXED GAS + 125 OPERATIONS

INSULATING MATERIAL  
H = HIGH TEMPERATURE MATERIAL

VARIATIONS  
000 - STANDARD PRODUCT

BOARD ATTACHMENT  
R = RIGHT ANGLE WITH HEAT STAKE POST  
P = RIGHT ANGLE WITH PRESS-IN RETENTION PEGS

TERMINATION TYPE  
A = RIGHT ANGLE SOLDER 16mm [.063] PCB  
B = RIGHT ANGLE SOLDER 2.4mm [.094] PCB  
Z = MIXED OR SPECIFIC TERMINATION TYPE

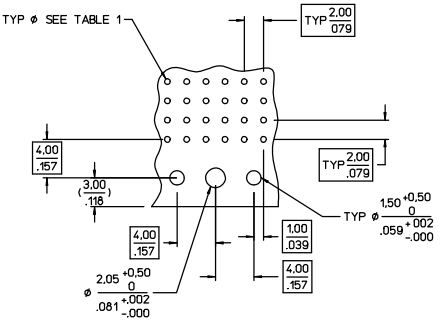
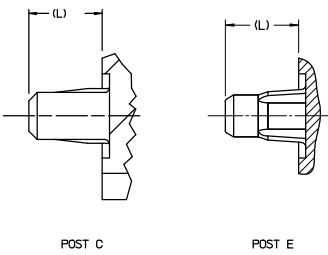


TABLE 1  
PLATED THROUGH HOLE REQUIREMENTS

DRILL DIAMETER:	Ø 0.85 [.0334]
DRILLED HOLE	Ø 0.81-0.86 [.0319-.0339]
COPPER PLATING	25-50 MICROMETERS [.00098-.00197]
TIN-LEAD PLATING	5-15 MICROMETERS [.00020-.00059]
FINISHED HOLE Ø (AFTER REFLOW)	0.65-0.80 [.0256-.0315]
TYP LAND SIZE	Ø 1.15 [.045]

PCB THICKNESS	DIM D	DIM L	RETENTION FEATURES
1.60 [.063]	2.90±0.30 [.114±0.12]	5.20 [.205]	HEAT STAKE PEGS
2.40 [.094]	3.60±0.30 [.142±0.12]	6.00 [.236]	
1.60 [.063]	2.90±0.30 [.114±0.12]	3.00 [.118]	PRESS-FIT PEGS
2.40 [.094]	3.60±0.30 [.142±0.12]	3.00 [.118]	



REV. DESCRIPTION BY DATE SHOT DATE SHEET NO. ZONE

REVISION

FEMALE SIGNAL, RIGHT ANGLE SOLDER PINS, 5 ROWS

CAT. NO. HM1F4\_F\_000H\_000 (SEE TABLE)

OWN RELEASED TO CENTRAL FILE: D4-2-20

DATE: 10/14/84 IPC: 600 SIZE: 0

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SHEET 2 OF 2