

THIS DRAWING IS A PROPERTY OF FUTUREBUS AND SHALL BE KEPT IN CONFIDENTIALITY. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THE ORDER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

C

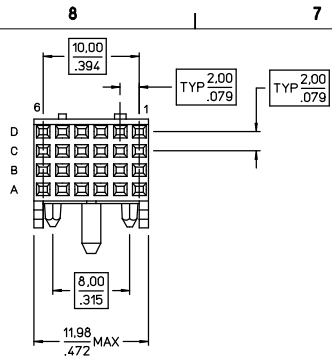
B

D

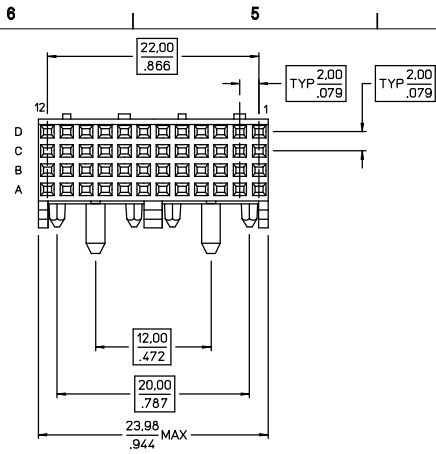
C

B

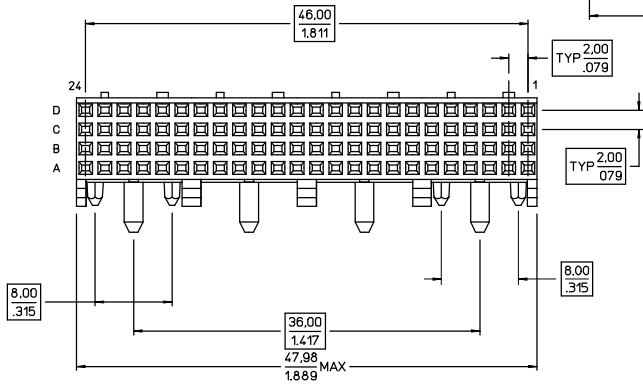
A



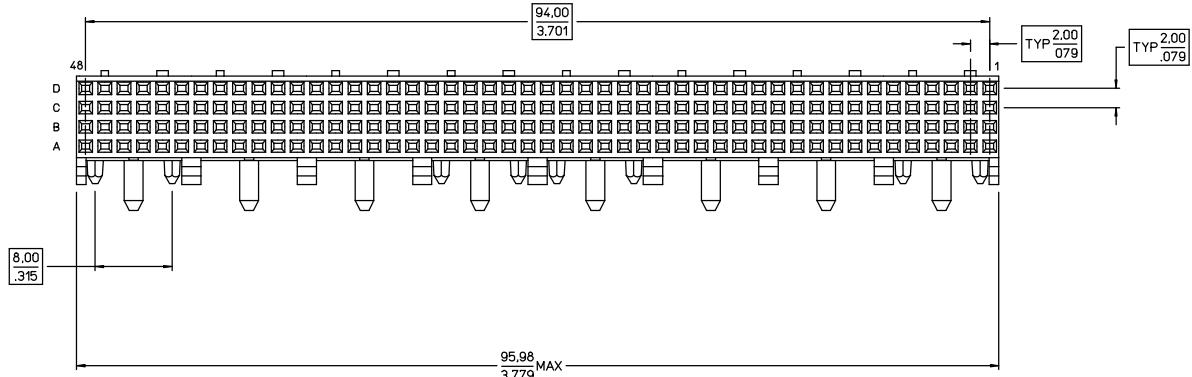
24 POSITION



48 POSITION



96 POSITION



192 POSITION

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.

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

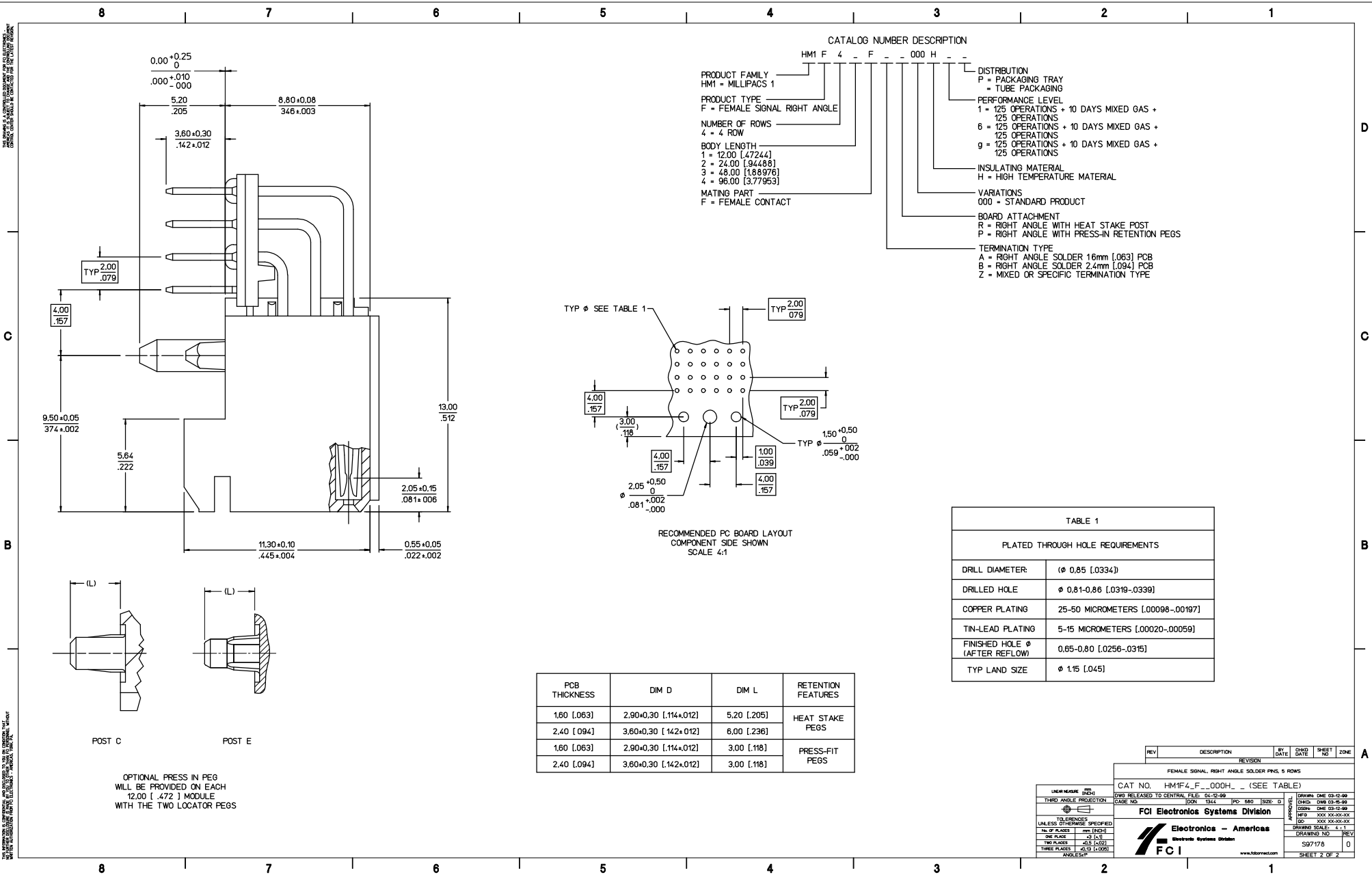
(*) R= WITH HOT RIVETING PEDGS OR P= WITH PRESS IN PEDGS

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)					
DRAWN ONE 03-12-89					
CHKD ONE 03-15-89					
ENGR ONE 03-12-89					
APP. XXX XX-00-00					
DIP XXX XX-00-00					
FCI Electronics Systems Division					
Electronics - Americas					
FCI					
www.fciamer.com					

THIS DRAWING IS A PROPERTY OF FUTUREBUS AND SHALL BE KEPT IN CONFIDENTIALITY. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED IN THE ORDER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

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 [188976]
4 = 96.00 [377953]

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

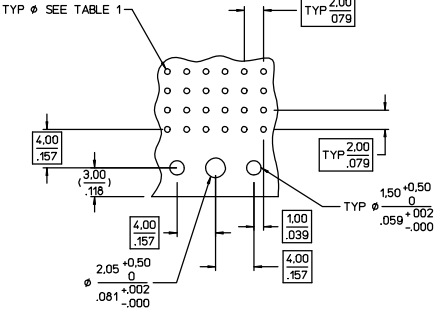
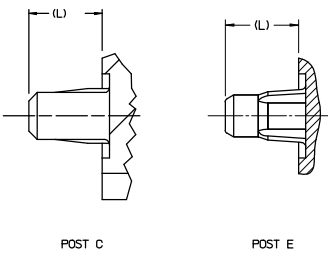


TABLE 1	
PLATED THROUGH HOLE REQUIREMENTS	
DRILL DIAMETER:	∅ 0.85 [0334]
DRILLED HOLE	∅ 0.81-0.86 [0319-0339]
COPPER PLATING	25-50 MICROMETERS [00098-00197]
TIN-LEAD PLATING	5-15 MICROMETERS [00020-00059]
FINISHED HOLE ∅ (AFTER REFLOW)	0.65-0.80 [0256-0315]
TYP LAND SIZE	∅ 1.15 [045]

PCB THICKNESS	DIM D	DIM L	RETENTION FEATURES
1.60 [063]	2.90±0.30 [114±012]	5.20 [.205]	HEAT STAKE PEGS
2.40 [094]	3.60±0.30 [142±012]	6.00 [.236]	
1.60 [063]	2.90±0.30 [114±012]	3.00 [.118]	PRESS-FIT PEGS
2.40 [094]	3.60±0.30 [142±012]	3.00 [.118]	



REV	DESCRIPTION	BY	DATE	SHEET NO	ZONE
	FEMALE SIGNAL, RIGHT ANGLE SOLDER PINS, 5 ROWS				

CAT. NO. HM1F4_F_000H_ (SEE TABLE)

FCI Electronics Systems Division

Electronics - Americas

FCI

www.fciconnect.com

SHEET 2 OF 2