



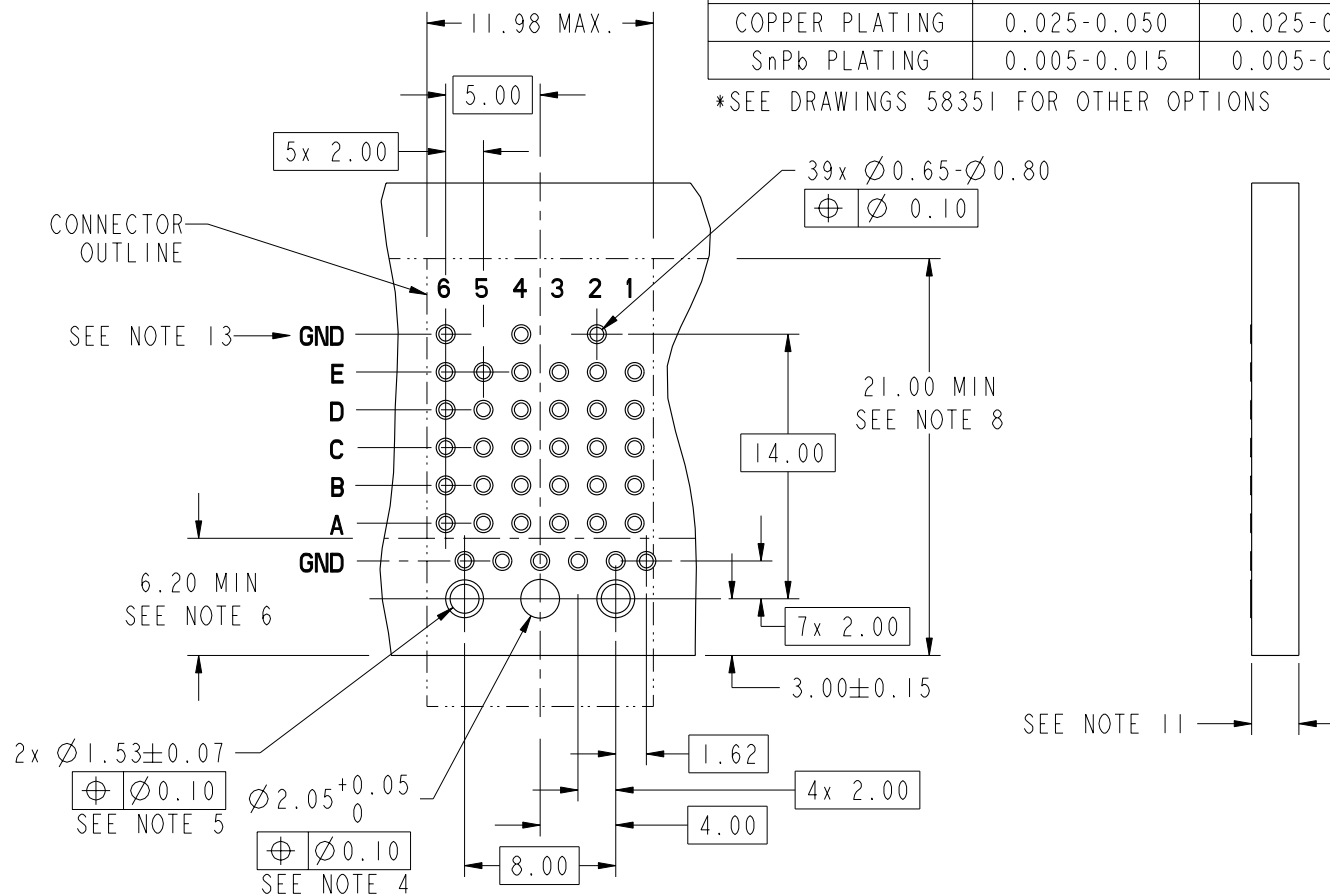
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PRODUCT NO.  
SEE SHEET 1

### PRESS-FIT HOLES

HOLE DIAMETER AFTER PLATING	$\varnothing 0.65\text{--}\varnothing 0.80$ *	$\varnothing 1.53$
DRILLED HOLE	$\varnothing 0.81\text{--}\varnothing 0.86$ ( $\varnothing 0.85$ DRILL)	$\varnothing 1.61\text{--}\varnothing 1.66$ ( $\varnothing 1.65$ DRILL)
COPPER PLATING	0.025-0.050	0.025-0.050
SnPb PLATING	0.005-0.015	0.005-0.015

\*SEE DRAWINGS 58351 FOR OTHER OPTIONS



RECOMMENDED PCB HOLE  
PATTERN-COMPONENT SIDE

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ± 0.3	projection	COPY	title	RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION
AF					0.XX ± 0.10				
					0.XXX ± 0.050				
				angles	0° ± 2°	MM scale 1:1	product family METRAL 1000 size A	code 213 sheet 2	cage code 22526
				dr	S. STONER 2000-06-30				
				enrg	W.J. SWAIN 2000-06-14				
				chr	W.J. SWAIN 2001-05-21	scale 1:1	A	213	2
				appd	W.J. SWAIN 2001-05-21				
sheet index	revision sheet								

Pro/E

cage code 22526

PDM: Rev:AF

STATUS: Released Printed: May 13, 2011

PRODUCT NUMBER





SEE SHEET 1

## NOTES

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
2. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED, FLAME RETARDANT PER UL94V-0  
GROUND SHIELD MATERIAL: COPPER ALLOY  
SIGNAL CONTACT MATERIAL: COPPER ALLOY
3. PLATING ON PRESS-FIT TAIL AREA: 73981-X02 IS SnPb, 73981-X02LF IS Sn (LEAD FREE)
4.  $\varnothing 2.05$  HOLE IS UNPLATED
5.  $\varnothing 1.53$  PLATED HOLES (2X) ARE FOR GROUNDS
6. AVOID TRACES IN THIS AREA ON TOP OF PCB DUE TO EXPOSED GROUND SHIELD
7. UNDERPLATING FOR SHIELD AND SIGNAL CONTACTS IS 1.3  $\mu$ m Ni MIN
8. COMPONENT KEEP OUT ZONE FOR PRESS BLOCK CLEARANCE.
9. PRODUCT MARKING: PRODUCT NUMBER, DATE AND LOT CODE.
10. SEE GS-20-017 FOR APPLICATION OF CONNECTOR TO PCB.
11. PCB THICKNESS RANGE: 1.3mm TO 2.5mm
12. SEE PRODUCT SPECIFICATION GS-12-110 FOR PRODUCT PERFORMANCE CHARACTERISTICS.
13. THIS GROUND ROW OF VIA-HOLES ONLY REQUIRED FOR PREVIOUS REVISIONS OF THIS DESIGN WHERE THE TOP SHIELDS HAD EON PRESS-FIT. DUE TO INVENTORIES OF PREVIOUS VERSION WE RECOMMEND THEY BE DESIGNED IN.
14. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET EUROPEAN DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260° FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.



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mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com				
ltr	ecn no.	dr	date	linear	0. X $\pm$ 0.3		COPY		title RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION			
AF					0. XX $\pm$ 0.10		projection					
					0. XXX $\pm$ 0.050							
				angles	0° $\pm$ 2°							
		dr			S. STONER	2000-06-30			product family		METRAL 1000	code
		enrg			W. J. SWAIN	2000-06-14			size	dwg no	213	
		chr			W. J. SWAIN	2001-05-21			scale	A	73981	
		appd			W. J. SWAIN	2001-05-21	3:1		3			
sheet index		revision sheet										

cage code 22526

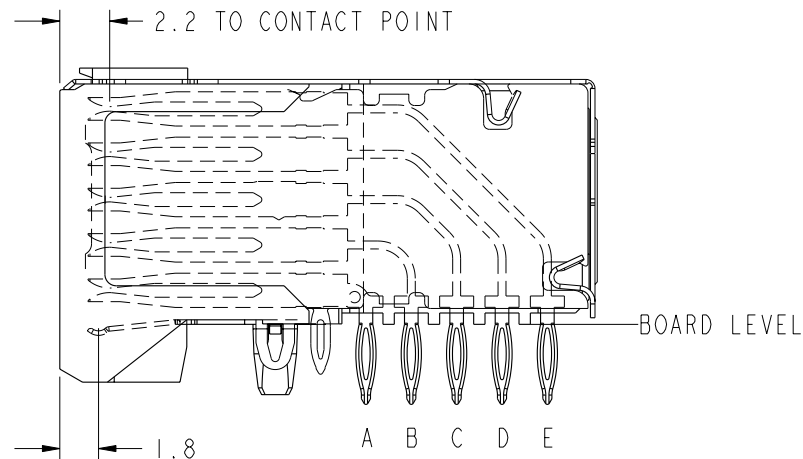
Pro/E

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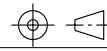

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PRODUCT NUMBER  
SEE SHEET 1

DISTANCE FROM CONTACT POINT TO BOARD	
CONTACT	DISTANCE
A	12.5
B	16.2
C	19.5
D	22.3
E	25.2



CONTACT POINT AND SKEW

mat'l code SEE NOTE 2				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com			
ltr	ecr no.	dr	date	linear	0. X ±0.3		COPY		title RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION			
AF					0. XX ±0.10		projection					
					0. XXX ±0.050							
				angles	0° ±2°				product family		METRAL 1000	code
				dr	S. STONER	2000-06-30			size		dwg no	213 sheet 4
				enrg	W. J. SWAIN	2000-06-14			scale		A 73981	
				chr	W. J. SWAIN	2001-05-21			3:1			
				appd	W. J. SWAIN	2001-05-21						
sheet index		revision sheet										

title  
RIGHT ANGLE SIGNAL RECEPT.  
5 ROW, 30 POSITION

product family METRAL 1000 code 213

size dwg no 73981 sheet 4

cage code 22526 4

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