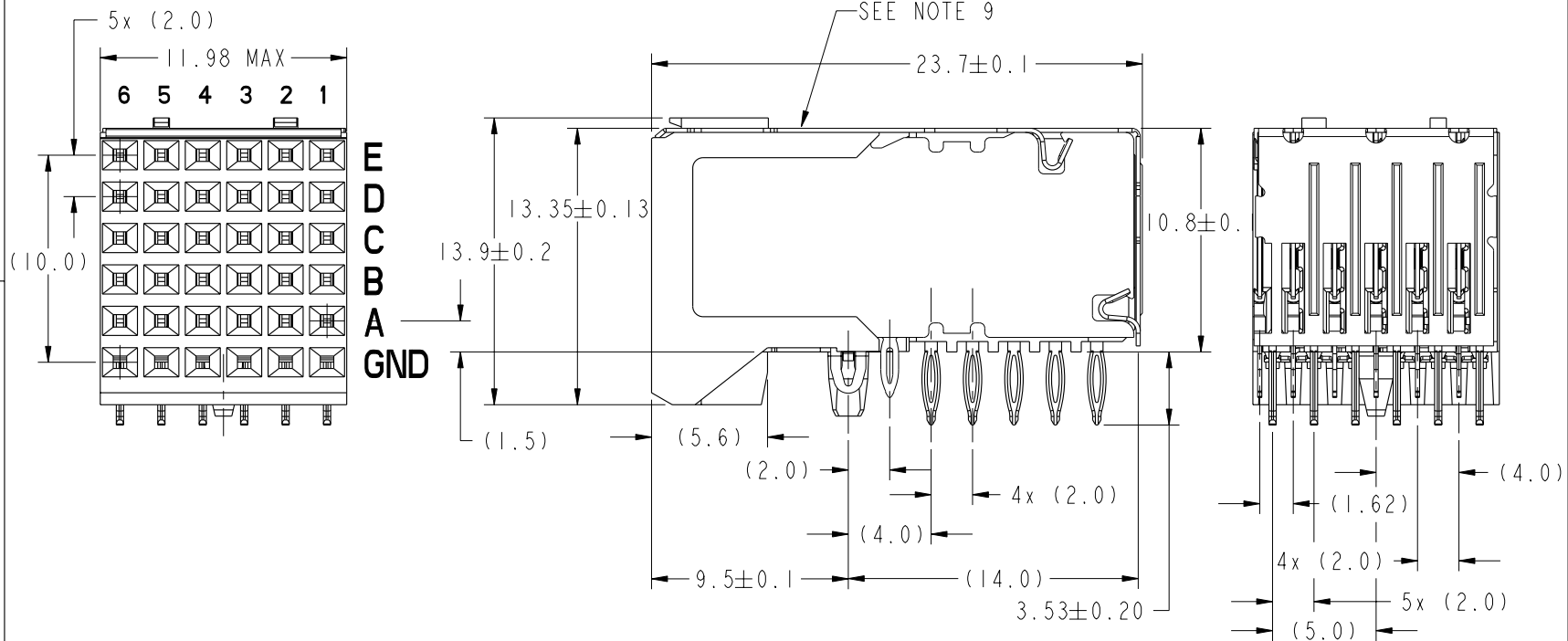


PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING
73981-102	TELCORDIA CO	SnPb
73981-102LF		Sn (SEE NOTE 14)
73981-302	CUSTOMER SPECIAL	SnPb
73981-302LF		Sn (SEE NOTE 14)
73981-902	TELCORDIA CO	SnPb
73981-902LF		Sn (SEE NOTE 14)
73981-902S	CUSTOMER SPECIAL	SnPb
73981-902SLF		Sn (SEE NOTE 14)



mat'l code				tolerances unless otherwise specified		CUSTOMER		FCj	
SEE NOTE 2				0.X ±0.3		COPY		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.XX ±0.10	projection		title	
AC	V06-0544	DCH	2006-06-09		0.XXX ±0.050	MM		RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION	
AD	V07-0352	HTB	2007-06-05	angles	0° ±2°	MM		product family METRAL 1000 code	
AE	V07-0430	DCH	2007-06-27			3:1		size	
AF	V07-0706	HTB	2007-12-10	dr	S. STONER 2000-06-30			size	
-	-	-	-	enrg	W. J. SWAIN 2000-06-14			sheet	
AA	V05-0391	DAI	2005-04-25	chr	W. J. SWAIN 2001-05-21			1 of 4	
AB	V05-0405	DAI	2005-05-16	appd	W. J. SWAIN 2001-05-21				
sheet index	revision sheet	AF 1	AF 2	AF 3	AF 4				

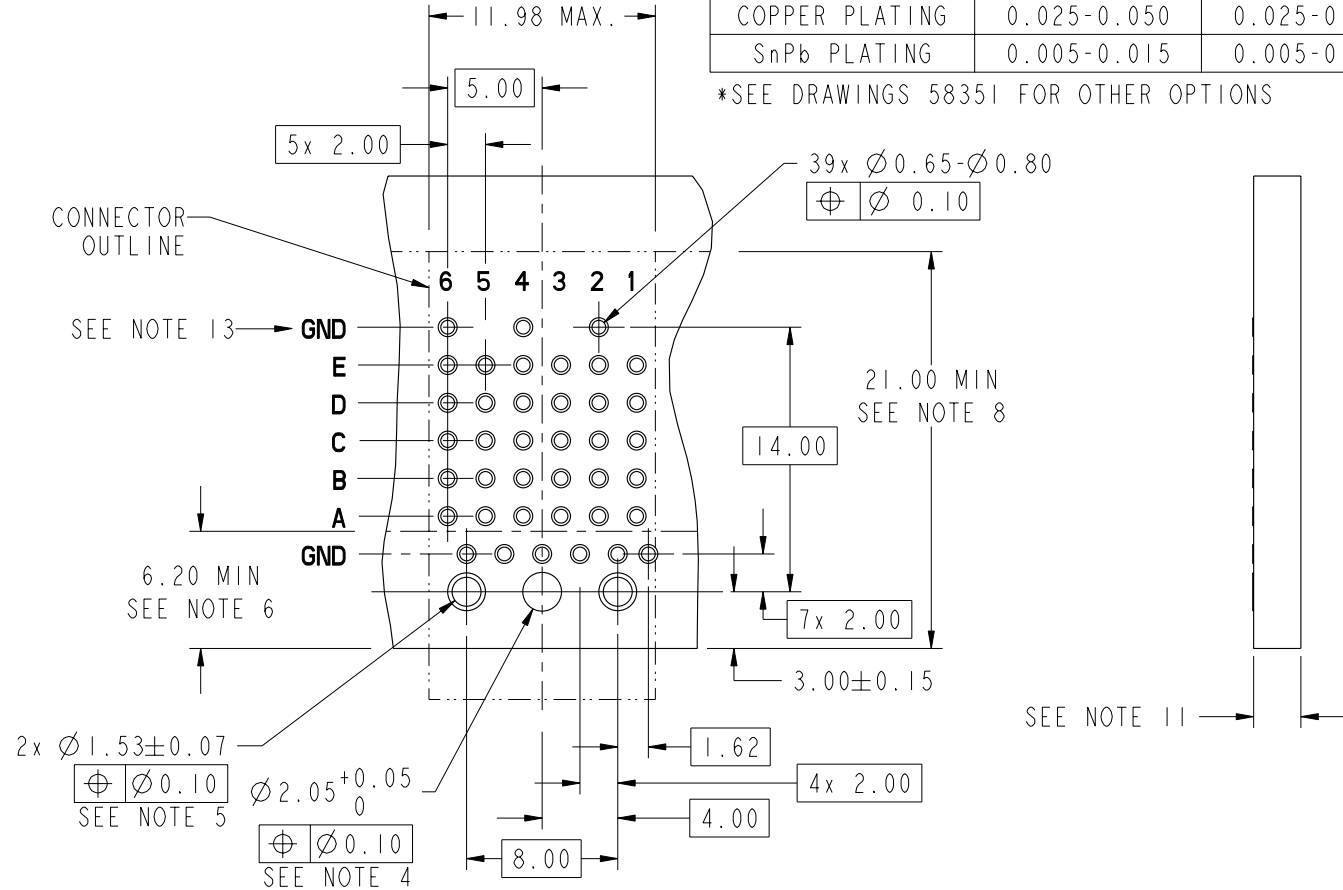
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PRODUCT NO.
SEE SHEET 1

PRESS-FIT HOLES

HOLE DIAMETER AFTER PLATING	$\varnothing 0.65 - \varnothing 0.80$ *	$\varnothing 1.53$
DRILLED HOLE	$\varnothing 0.81 - \varnothing 0.86$ ($\varnothing 0.85$ DRILL)	$\varnothing 1.61 - \varnothing 1.66$ ($\varnothing 1.65$ 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	FCJ www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ± 0.3	COPY	title	
AF				0.XX ± 0.10	projection	RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION		
				0.XXX ± 0.050	angles	\varnothing symbol	product family	METRAL 1000
				0° ± 2°	dr	MM	code	213
					enr	W. J. SWAIN	size	73981
					chr	W. J. SWAIN	dwg no	2
					appd	W. J. SWAIN	scale	1:1
sheet index	revision sheet						cage code	22526



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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. Ø2.05 HOLE IS UNPLATED
- 5. Ø1.53 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 µm 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.

A

A



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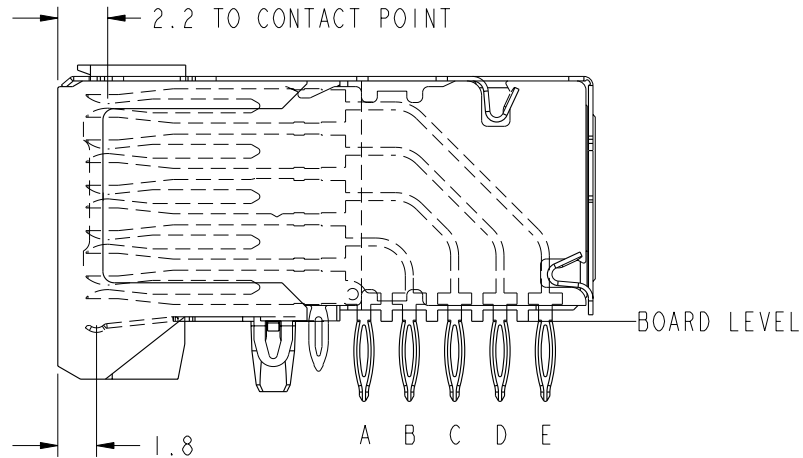
B

B

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY	title RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION	product family METRAL 1000 code 213	
AF					0.XX ±0.10	projection			sheet 3
					0.XXX ±0.050				
				angles	0° ±2°		size	dwg no 73981	
				dr	S. STONER 2000-06-30	scale 3:1	A	cage code 22526	
				engr	W. J. SWAIN 2000-06-14				
				chr	W. J. SWAIN 2001-05-21				
				appd	W. J. SWAIN 2001-05-21				
sheet index	revision sheet								


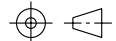

PRODUCT NUMBER
SEE SHEET 1

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

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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 ± 0.3	COPY				
AF				linear	0.XX ± 0.10	projection	title RIGHT ANGLE SIGNAL RECEPT. 5 ROW, 30 POSITION			
				angles	0.XXX ± 0.050					
				angles	0° ± 2°					
		dr	S. STONER	2000-06-30	MM		product family	METRAL 1000	code	
		engr	W. J. SWAIN	2000-06-14	← MM →		size	dwg no	213	sheet
		chr	W. J. SWAIN	2001-05-21	scale		A	73981	4	
		appd	W. J. SWAIN	2001-05-21	3:1					
sheet index	revision sheet									