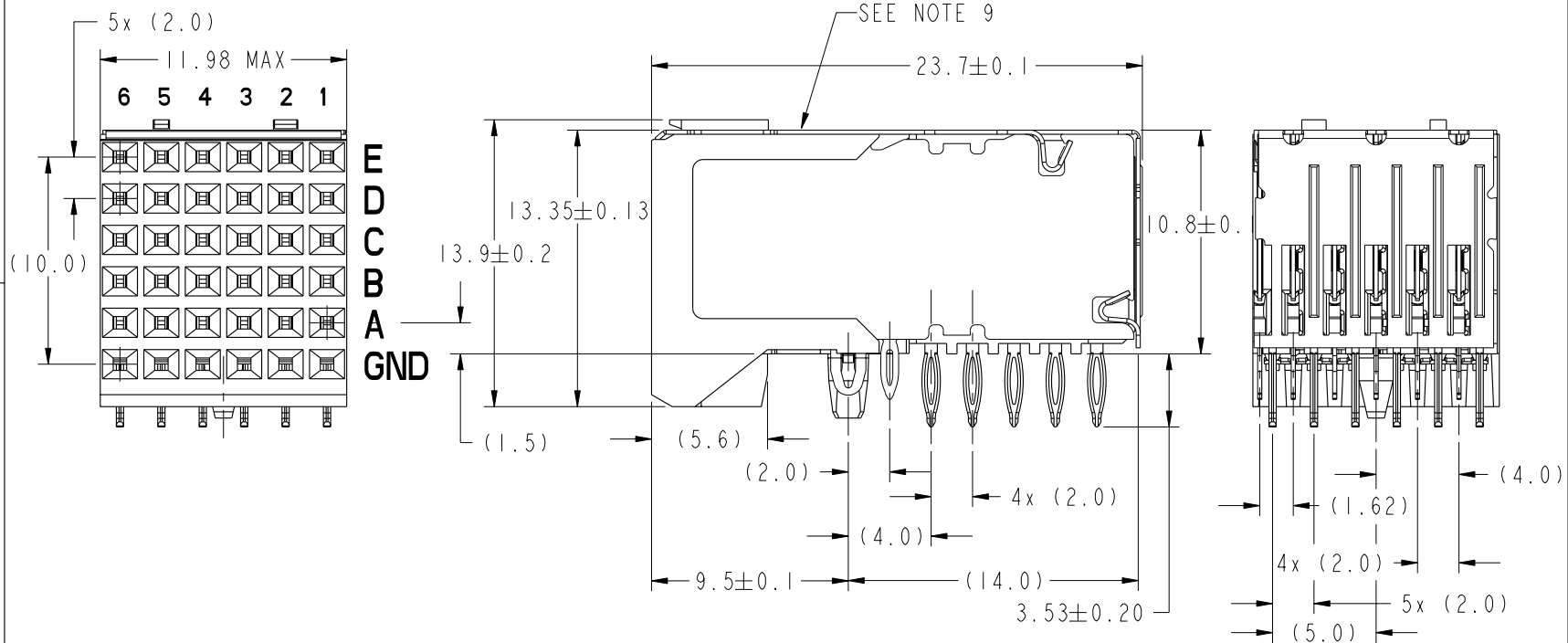


PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING
73981-102	TELCORDIA CO	SnPb
73981-102LF		Sn (SEE NOTE 14)
73981-302	CUSTOMER SPECIAL	SnPb
73981-302LF		Sn (SEE NOTE 14)
73981-902	TELCORDIA CO	SnPb
73981-902LF		Sn (SEE NOTE 14)
73981-902S	CUSTOMER SPECIAL	SnPb
73981-902SLF		Sn (SEE NOTE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



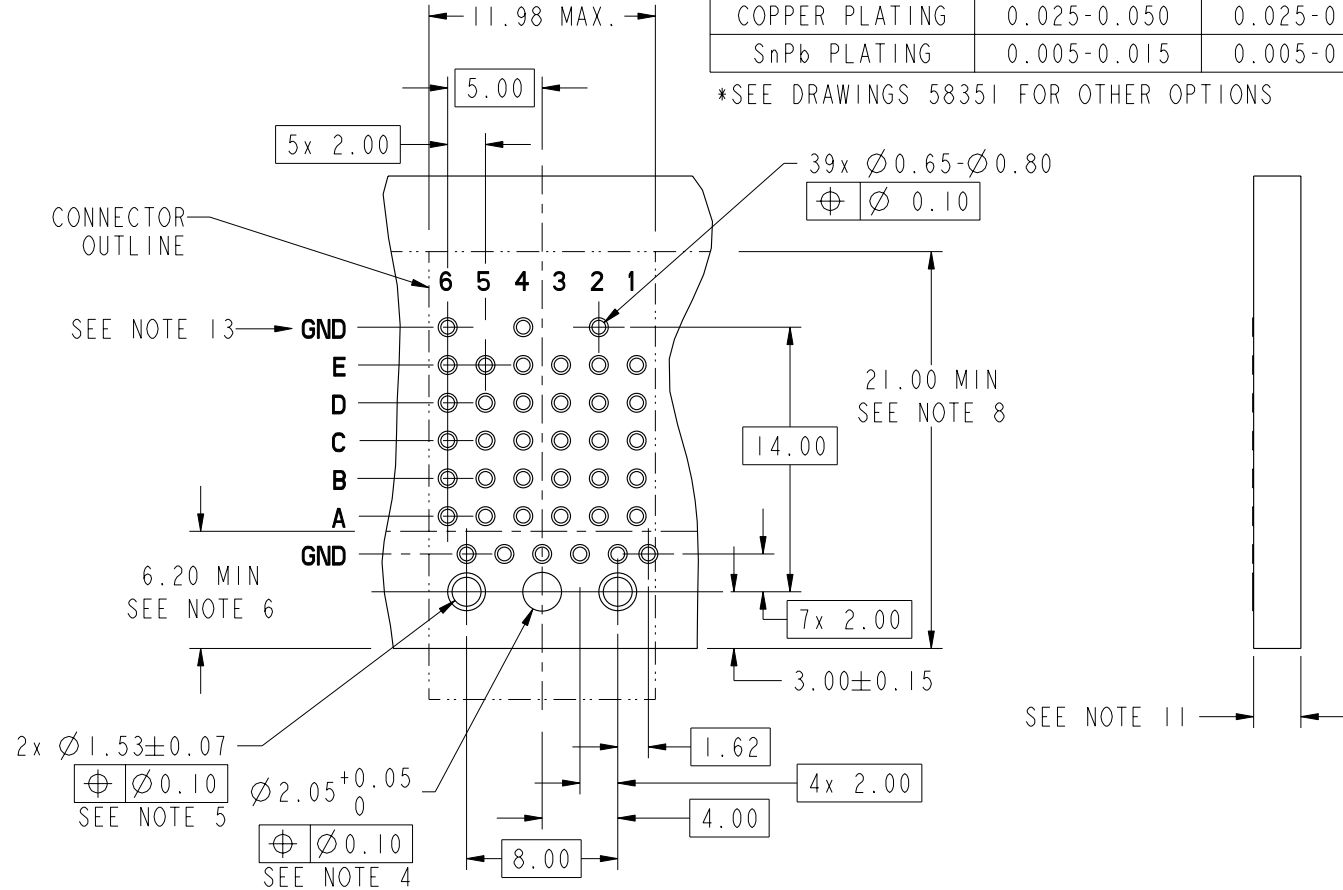
mat'l code				tolerances unless otherwise specified		CUSTOMER	FCj	
SEE NOTE 2				0.X ±0.3		COPY	www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.XX ±0.10	projection	title	
AC	V06-0544	DCH	2006-06-09		0.XXX ±0.050		RIGHT ANGLE SIGNAL RECEPT.	
AD	V07-0352	HTB	2007-06-05	angles	0° ±2°		5 ROW, 30 POSITION	
AE	V07-0430	DCH	2007-06-27				product family	METRAL 1000
AF	V07-0706	HTB	2007-12-10	dr	S. STONER 2000-06-30		size	dwg no
-	-	-	-	enrg	W. J. SWAIN 2000-06-14	scale	A	213
AA	V05-0391	DAI	2005-04-25	chr	W. J. SWAIN 2001-05-21	3:1	73981	sheet
AB	V05-0405	DAI	2005-05-16	appd	W. J. SWAIN 2001-05-21			1 of 4
sheet index	revision sheet	AF	AF	AF	AF			
		1	2	3	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	dwg no
					chr	W. J. SWAIN	73981	sheet
					appd	W. J. SWAIN	2	2
sheet index	revision sheet							

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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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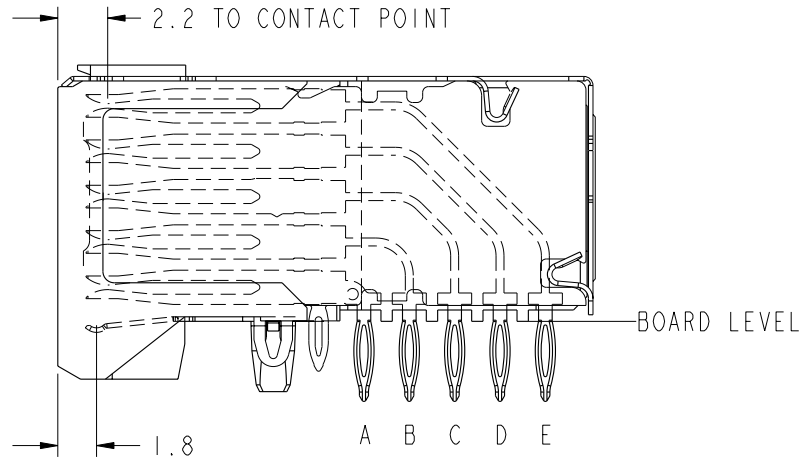
B

B

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER	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°				
		dr	S. STONER	2000-06-30		MM	product family	METRAL 1000	code
		engr	W. J. SWAIN	2000-06-14		← MM →	size	dwg no	213
		chr	W. J. SWAIN	2001-05-21		scale	A	73981	sheet
		appd	W. J. SWAIN	2001-05-21		3:1			
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
		engr	W. J. SWAIN	2000-06-14		← MM →	METRAL 1000
		chr	W. J. SWAIN	2001-05-21		scale	code
		appd	W. J. SWAIN	2001-05-21		3:1	213
sheet	revision						size
index	sheet						dwg no
							A
							73981
							sheet
							4