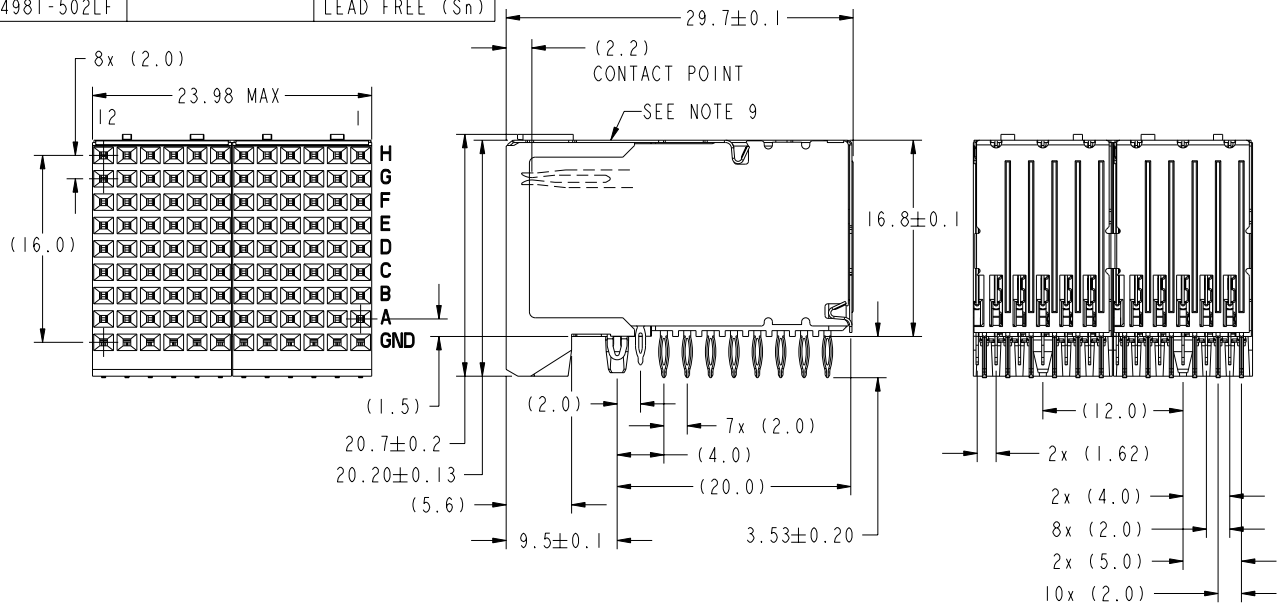




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PRODUCT NO.	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING
74981-102	TELCORDIA CO	STANDARD (SnPb)
74981-102LF		LEAD FREE (Sn)
74981-302	CUSTOMER SPECIAL	STANDARD (SnPb)
74981-302LF		LEAD FREE (Sn)
74981-502	TELCORDIA UE	STANDARD (SnPb)
74981-502LF		LEAD FREE (Sn)



mat'l code				tolerances unless otherwise specified		CUSTOMER	FCI	
SEE NOTE 2						COPY	www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ± 0.3	projection	MM	product family METRAL 1000
P	V06-0544	DCH	2006-06-09	0.XX ± 0.10	0.XXX ± 0.050			
R	V07-0316	DCH	2007-04-25	0.XXX ± 0.050	0° ± 2°			
S	V07-0604	DCH	2007-09-18	angles		scale	2:1	code
T	V08-0078	HTB	2008-02-15	dr	S. KLINE 2000-03-09			213
-	-	-	-	enr	M. HAHN 2000-03-09			sheet
M	V04-0582	TAB	2004-06-11	chr	S. STONER 2000-08-24			1 of 4
N	V05-0192	DAI	2005-04-15	oppd	M. HAHN 2000-08-24			
sheet index	revision	T	T	T	T			
	sheet	1	2	3	4			

cage code 22526

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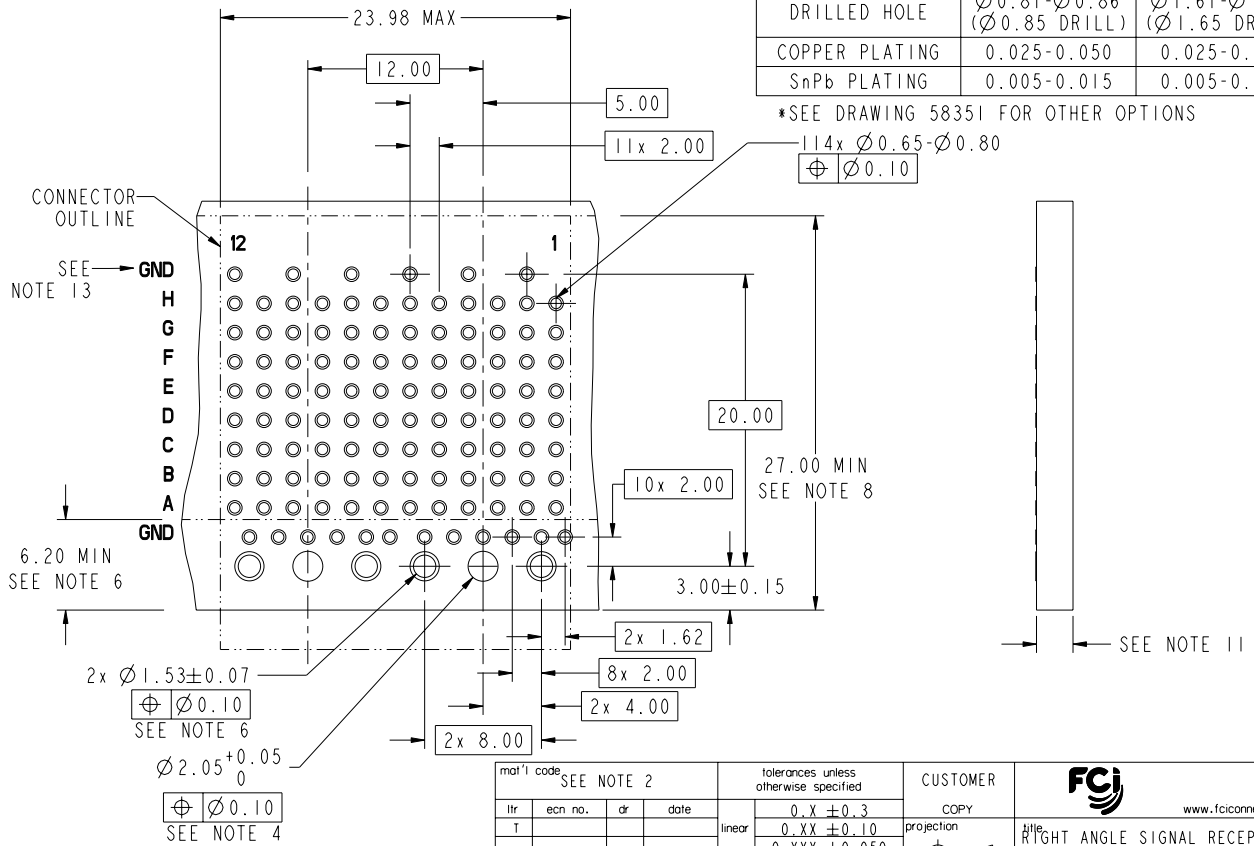
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PRODUCT NUMBER
SEE SHEET 1

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 DRAWING 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	
litr	ecm no.	dr	date	linear	$0.X \pm 0.3$	projection	COPY	RIGHT ANGLE SIGNAL RECEPTACLE			
T				angles	$0.XXX \pm 0.10$			8 ROW, 96 POSITION			
				dr	$0.XXX \pm 0.050$	$0^\circ \pm 2^\circ$		product family	METRAL 1000	code	213
				enr	S. KLINE 2000-03-09		scale	size	dwg no	74981	sheet
				chr	M. HAHN 2000-03-09		1:1	A			2
				oppd	S. STONER 2000-08-24						
					M. HAHN 2000-08-24						
sheet index	revision sheet										
								cage code	22526		

REV E - 2006-04-18

PDM: Rev:T STATUS: Released Printed: May 13, 2011

1 | 2

3 |

4

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:
PRESS-FIT TAIL AREA: SnPb ON STANDARD
Sn ON LEAD FREE
MATING CONTACT POINTS: MEETS PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET 1.
- 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: DATE AND LOT CODE.
- 10. SEE GS-20-018 FOR APPLICATION OF CONNECTOR TO PCB.
- 11. PCB THICKNESS RANGE: 1.3mm TO 3.4mm.
- 12. SEE PRODUCT SPECIFICATION GS-12-134 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. PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C 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		FCI www.fciconnect.com	
litr	ecm no.	dr	date	linear	0.X ±0.3	projection	COPY		
T					0.XX ±0.10		RIGHT ANGLE SIGNAL RECEPTACLE		
				angles	0.XXX ±0.050		8 ROW, 96 POSITION		
				dr	0 ±2°		product family	METRAL 1000	code
				enr	S. KLING 2000-03-09	scale	size	dwg no	213
				chr	M. HAHN 2000-03-09	2:1	A	74981	sheet
				oppd	S. STONER 2000-08-24				3
					M. HAHN 2000-08-24				
sheet index	revision sheet								

1 | 2

Pro/E

3 |

code code 22526

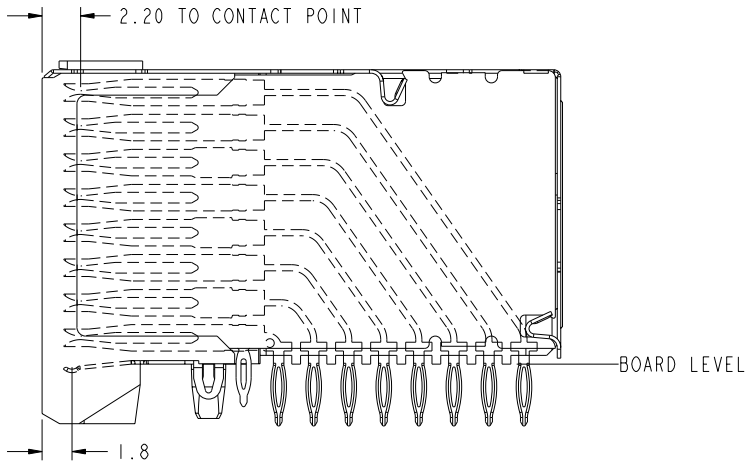
4

PDM: Rev:T STATUS: Released Printed: May 13, 2011

REV E - 2006-04-18

PRODUCT NUMBER
SEE SHEET 1

DISTANCE FROM CONTACT POINT TO BOARD	
CONTACT	DISTANCE
A	12.5
B	15.9
C	18.9
D	21.9
E	25.0
F	28.0
G	31.1
H	34.1



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mat'l code: SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	COPY		RIGHT ANGLE SIGNAL RECEPTACLE	
					0.XX ±0.10	projection		8 ROW, 96 POSITION	
				angles	0.XXX ±0.050	MM		product family METRAL 1000	
				dr	0° ±2°	scale		code	
				enr	S. KLINE 2000-03-09	3:1		213	
				chr	M. HAHN 2000-03-09	A		sheet	
				oppd	S. STONER 2000-08-24			4	
					M. HAHN 2000-08-24			74981	
sheet index	revision sheet							cage code	22526

REV E - 2006-04-18

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