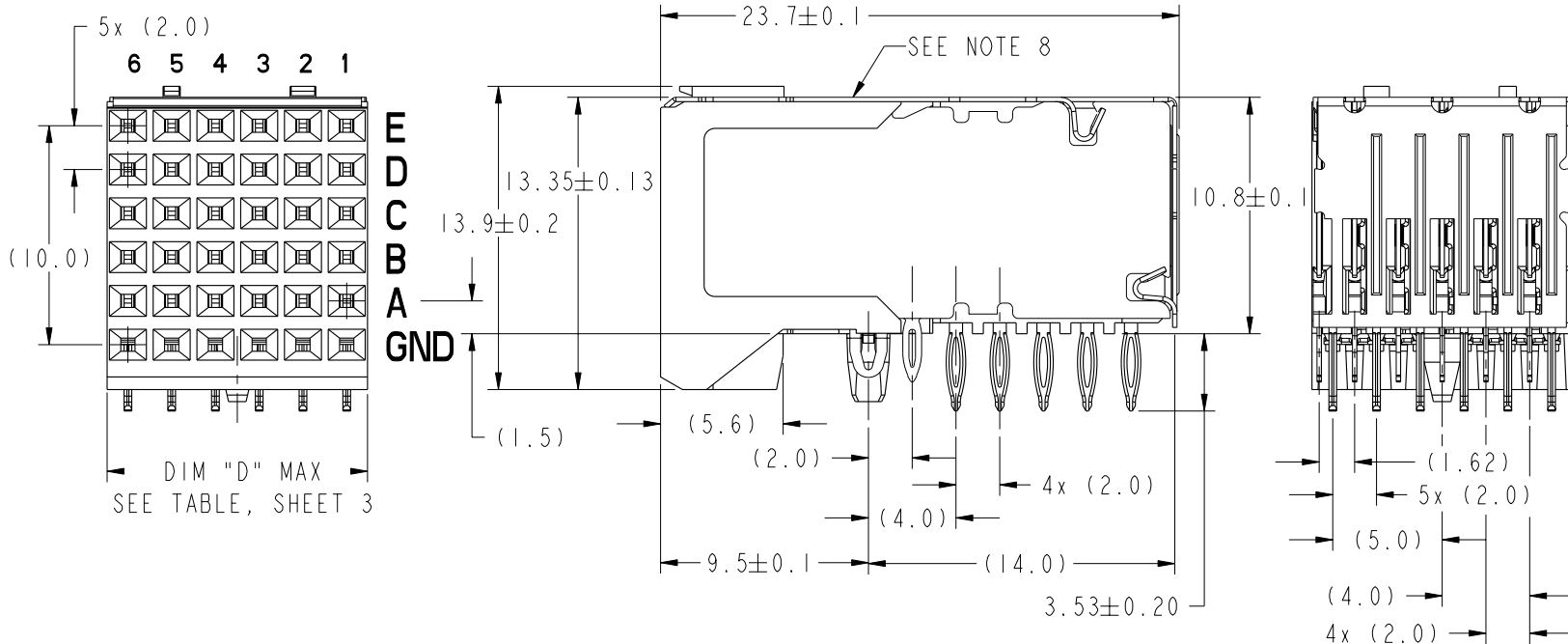


PRODUCT NUMBER  
SEE SHEET 3



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	
P	V06-0569	DCH	2006-06-12		0.XX ±0.10	projection	RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK	
R	V07-0381	DCH	2007-05-31		0.XXX ±0.050		product family METRAL 1000 code	
S	V07-0353	HTB	2007-06-06	angles	0° ±2°		size	dwg no
T	V07-0433	DCH	2007-06-27	dr	S. KLINE 2001-07-06	MM	213	
U	V08-0085	HTB	2008-02-18	enr	W.J. SWAIN 2001-07-06		84688	
-	-	-	-	chr	W.J. SWAIN 2001-07-06		size	1 of 5
N	V05-0870	DAI	2005-09-14	appd	W.J. SWAIN 2001-07-06	scale	3:1	
sheet	revision	U	U	U	U			
index	sheet	1	2	3	4			

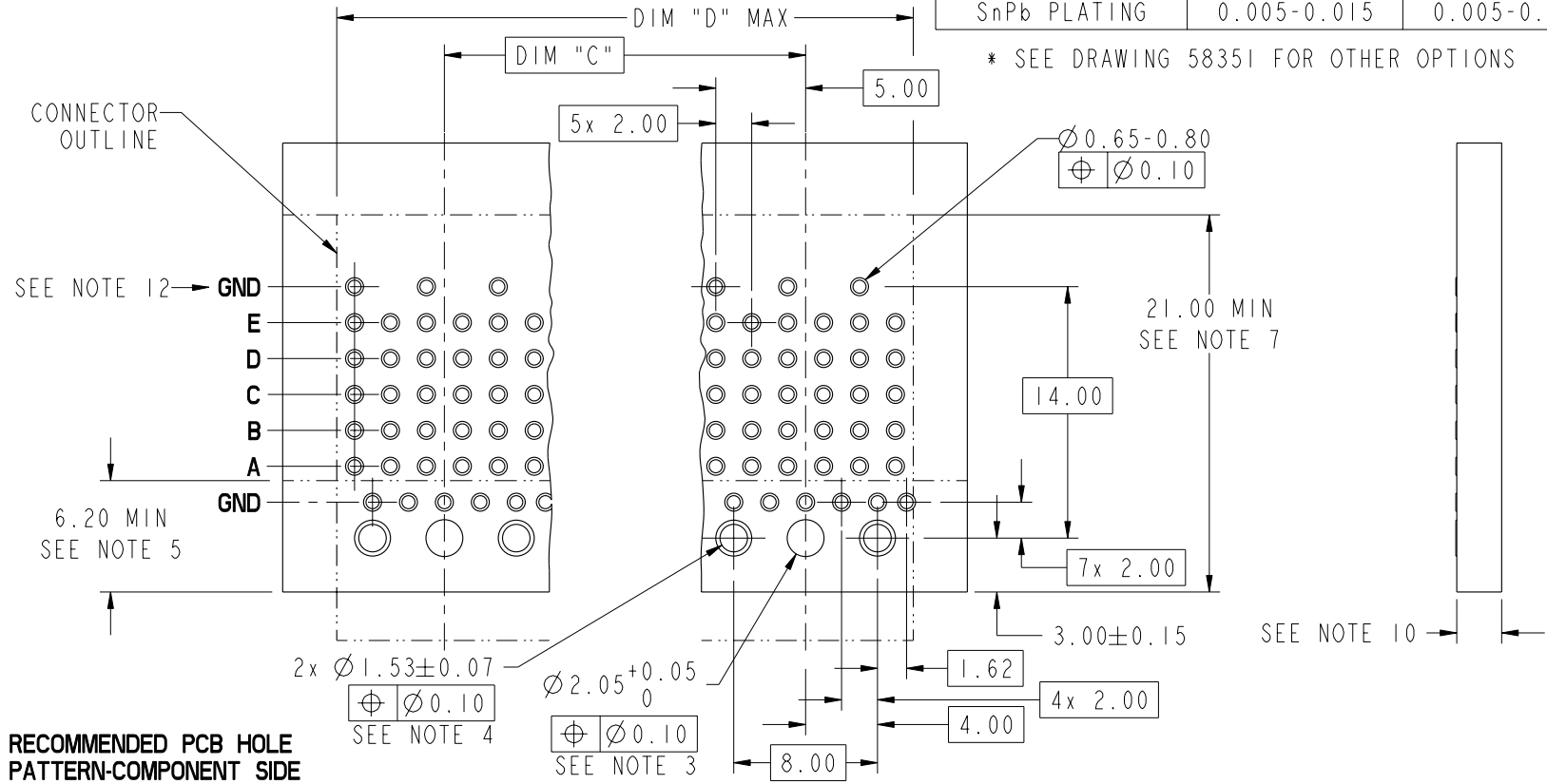
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PRODUCT NUMBER  
SEE SHEET 3

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 DRAWING 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 RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK	
U				angles	0.XX ± 0.10	projection	product family METRAL 1000 code 213	
				dr	0.XXX ± 0.050		size dwg no 84688 sheet 2	
				enr	0° ± 2°	MM	cage code 22526	
				chr	S. KLINE 2001-07-06	scale 1:1	4	
				appd	W. J. SWAIN 2001-07-06			
sheet index	revision sheet							



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PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING	DIM "C"	DIM "D"
84688-101	TELCORDIA CO	STANDARD (SnPb)	---	11.98
84688-101LF	TELCORDIA CO	LEAD FREE (Sn)	---	11.98
84688-102	TELCORDIA CO	STANDARD (SnPb)	12.00	23.98
84688-102LF	TELCORDIA CO	LEAD FREE (Sn)	12.00	23.98
84688-103	TELCORDIA CO	STANDARD (SnPb)	24.00	35.98
84688-103LF	TELCORDIA CO	LEAD FREE (Sn)	24.00	35.98
84688-104	TELCORDIA CO	STANDARD (SnPb)	36.00	47.98
84688-104LF	TELCORDIA CO	LEAD FREE (Sn)	36.00	47.98
84688-105	TELCORDIA CO	STANDARD (SnPb)	48.00	59.98
84688-105LF	TELCORDIA CO	LEAD FREE (Sn)	48.00	59.98
84688-106	TELCORDIA CO	STANDARD (SnPb)	60.00	71.98
84688-106LF	TELCORDIA CO	LEAD FREE (Sn)	60.00	71.98
84688-108	O B S O L E T E			
84688-108LF	O B S O L E T E			
84688-301	CUSTOMER SPECIAL	STANDARD (SnPb)	---	11.98
84688-301LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	---	11.98
84688-302	CUSTOMER SPECIAL	STANDARD (SnPb)	12.00	23.98
84688-302LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	12.00	23.98
84688-303	CUSTOMER SPECIAL	STANDARD (SnPb)	24.00	35.98
84688-303LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	24.00	35.98
84688-304	CUSTOMER SPECIAL	STANDARD (SnPb)	36.00	47.98
84688-304LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	36.00	47.98
84688-305	CUSTOMER SPECIAL	STANDARD (SnPb)	48.00	59.98
84688-305LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	48.00	59.98
84688-306	CUSTOMER SPECIAL	STANDARD (SnPb)	60.00	71.98
84688-306LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	60.00	71.98
84688-308	O B S O L E T E			
84688-308LF	O B S O L E T E			

PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING	DIM "C"	DIM "D"
84688-901	TELCORDIA CO	STANDARD (SnPb)	---	11.98
84688-901LF	TELCORDIA CO	LEAD FREE (Sn)	---	11.98
84688-901S	CUSTOMER SPECIAL	STANDARD (SnPb)	---	11.98
84688-901SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	---	11.98
84688-902	TELCORDIA CO	STANDARD (SnPb)	12.00	23.98
84688-902LF	TELCORDIA CO	LEAD FREE (Sn)	12.00	23.98
84688-902S	CUSTOMER SPECIAL	STANDARD (SnPb)	12.00	23.98
84688-902SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	12.00	23.98
84688-903	TELCORDIA CO	STANDARD (SnPb)	24.00	35.98
84688-903LF	TELCORDIA CO	LEAD FREE (Sn)	24.00	35.98
84688-903S	CUSTOMER SPECIAL	STANDARD (SnPb)	24.00	35.98
84688-903SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	24.00	35.98
84688-904	TELCORDIA CO	STANDARD (SnPb)	36.00	47.98
84688-904LF	TELCORDIA CO	LEAD FREE (Sn)	36.00	47.98
84688-904S	CUSTOMER SPECIAL	STANDARD (SnPb)	36.00	47.98
84688-904SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	36.00	47.98
84688-905	TELCORDIA CO	STANDARD (SnPb)	48.00	59.98
84688-905LF	TELCORDIA CO	LEAD FREE (Sn)	48.00	59.98
84688-905S	CUSTOMER SPECIAL	STANDARD (SnPb)	48.00	59.98
84688-905SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	48.00	59.98
84688-906	TELCORDIA CO	STANDARD (SnPb)	60.00	71.98
84688-906LF	TELCORDIA CO	LEAD FREE (Sn)	60.00	71.98
84688-906S	CUSTOMER SPECIAL	STANDARD (SnPb)	60.00	71.98
84688-906SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	60.00	71.98
84688-908	O B S O L E T E			
84688-908LF	O B S O L E T E			

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	projection	COPY		
U					0.XX ±0.10			title	
					0.XXX ±0.050			RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK	
				angles	0° ±2°		product family		
				dr	S. KLINE 2001-07-06		METRAL 1000	code	
				engr	W. J. SWAIN 2001-07-06		size	213	
				chr	W. J. SWAIN 2001-07-06		dwg no	3	
				appd	W. J. SWAIN 2001-07-06	scale	84688	sheet	
						3:1	A	3	
sheet index	revision sheet								

PRODUCT NUMBER  
SEE SHEET 3

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 ACC. UL94V-0  
GROUND SHIELD MATERIAL: COPPER ALLOY  
SIGNAL CONTACT MATERIAL: COPPER ALLOY
- 3. Ø2.05 HOLE IS UNPLATED
- 4. Ø1.53 PLATED HOLES (2x) ARE FOR GROUNDS
- 5. AVOID TRACES IN THIS AREA ON TOP OF PCB DUE TO EXPOSED GROUND SHIELD
- 6. UNDERPLATING FOR SHIELD AND SIGNAL CONTACTS IS 1.3 µm Ni MIN
- 7. COMPONENT KEEP OUT ZONE FOR PRESS BLOCK CLEARANCE
- 8. PRODUCT MARKING: PRODUCT CODE, DATE AND LOT CODE
- 9. SEE GS-20-017 FOR APPLICATION OF CONNECTOR TO PCB
- 10. PCB THICKNESS RANGE: 1.3mm TO 2.5mm
- 11. SEE PRODUCT SPECIFICATION GS-12-110 FOR PRODUCT PERFORMANCE CHARACTERISTICS.
- 12. 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.
- 13. 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° FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.

A

A



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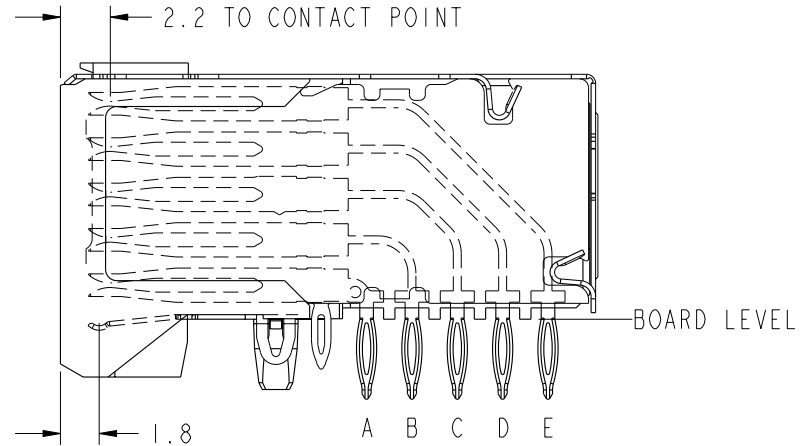
B

B

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3		COPY		title RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK
U					0.XX ±0.10		projection		
					0.XXX ±0.050				
				angles	0° ±2°				product family METRAL 1000 code size dwg no 213 A 84688 sheet 4
				dr	S. KLINE	2001-07-06	MM		
				engr	W. J. SWAIN	2001-07-06			
				chr	W. J. SWAIN	2001-07-06	scale 1:1		
				appd	W. J. SWAIN	2001-07-06			
sheet index	revision sheet								

PRODUCT NUMBER  
SEE SHEET 3

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		FCj www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3	COPY	
U				linear	0.XX ±0.10	projection	
				angles	0.XXX ±0.050		
				angles	0° ±2°		
		dr	S. KLINE	2001-07-06	MM		product family
		enr	W. J. SWAIN	2001-07-06	← MM →		METRAL 1000
		chr	W. J. SWAIN	2001-07-06	scale		code
		appd	W. J. SWAIN	2001-07-06	3:1		213
sheet index	revision sheet						size
							dwg no
							84688
							sheet
							5

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