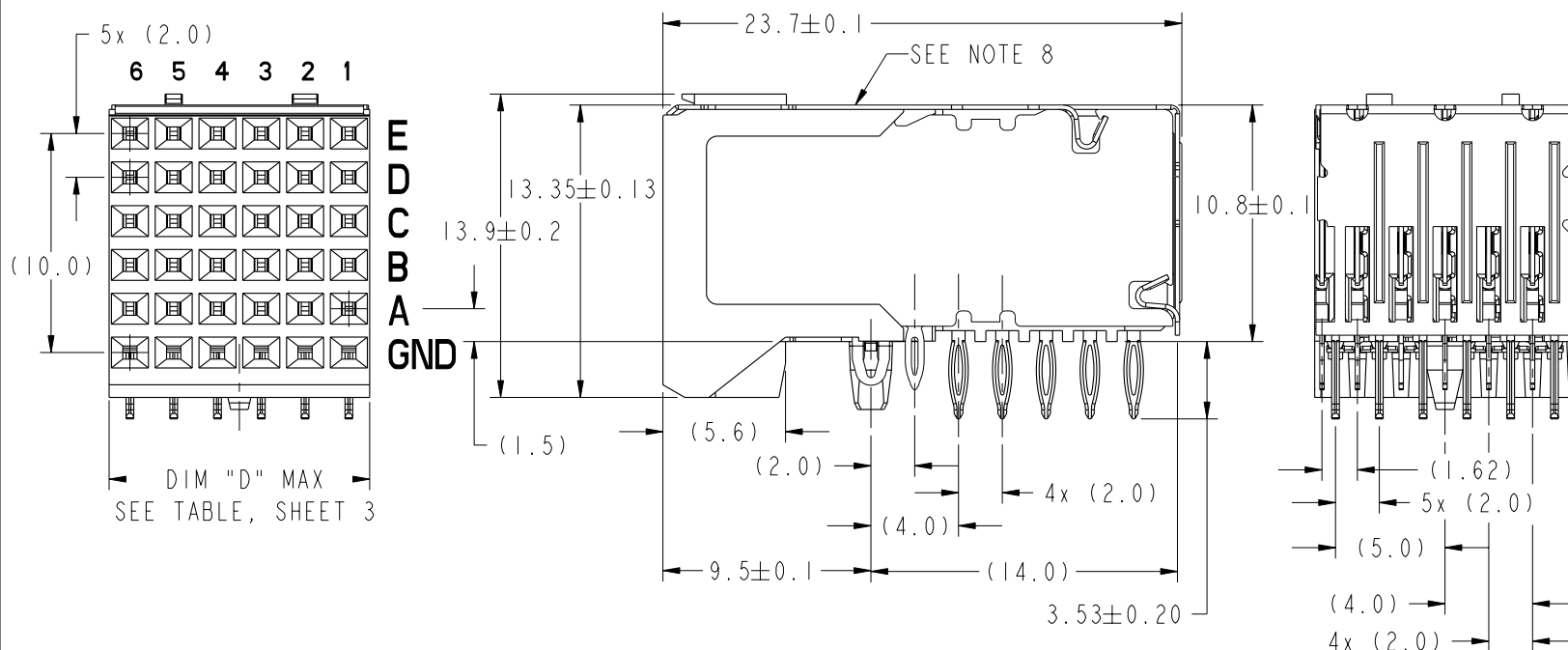


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PRODUCT NUMBER
SEE SHEET 3



mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY projection 	MM scale 3:1	title RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK	product family METRAL 1000
P	V06-0569	DCH	2006-06-12		0.XX ±0.10				
R	V07-0381	DCH	2007-05-31		0.XXX ±0.050				
S	V07-0353	HTB	2007-06-06	angles	0° ±2°	MM scale 3:1	A	size 84688	code 213 sheet 1 of 5
T	V07-0433	DCH	2007-06-27		dr S. KLINE 2001-07-06				
U	V08-0085	HTB	2008-02-18		enrg W.J. SWAIN 2001-07-06				
-	-	-	-	chr W.J. SWAIN 2001-07-06	appd W.J. SWAIN 2001-07-06	A	A	84688	213 1 of 5
N	V05-0870	DAI	2005-09-14						
sheet index	revision sheet	U 1	U 2	U 3	U 4	U 5			

cage code 22526

Pro/E

3

4

PDM: Rev:U

STATUS: Released Printed: May 13, 2011

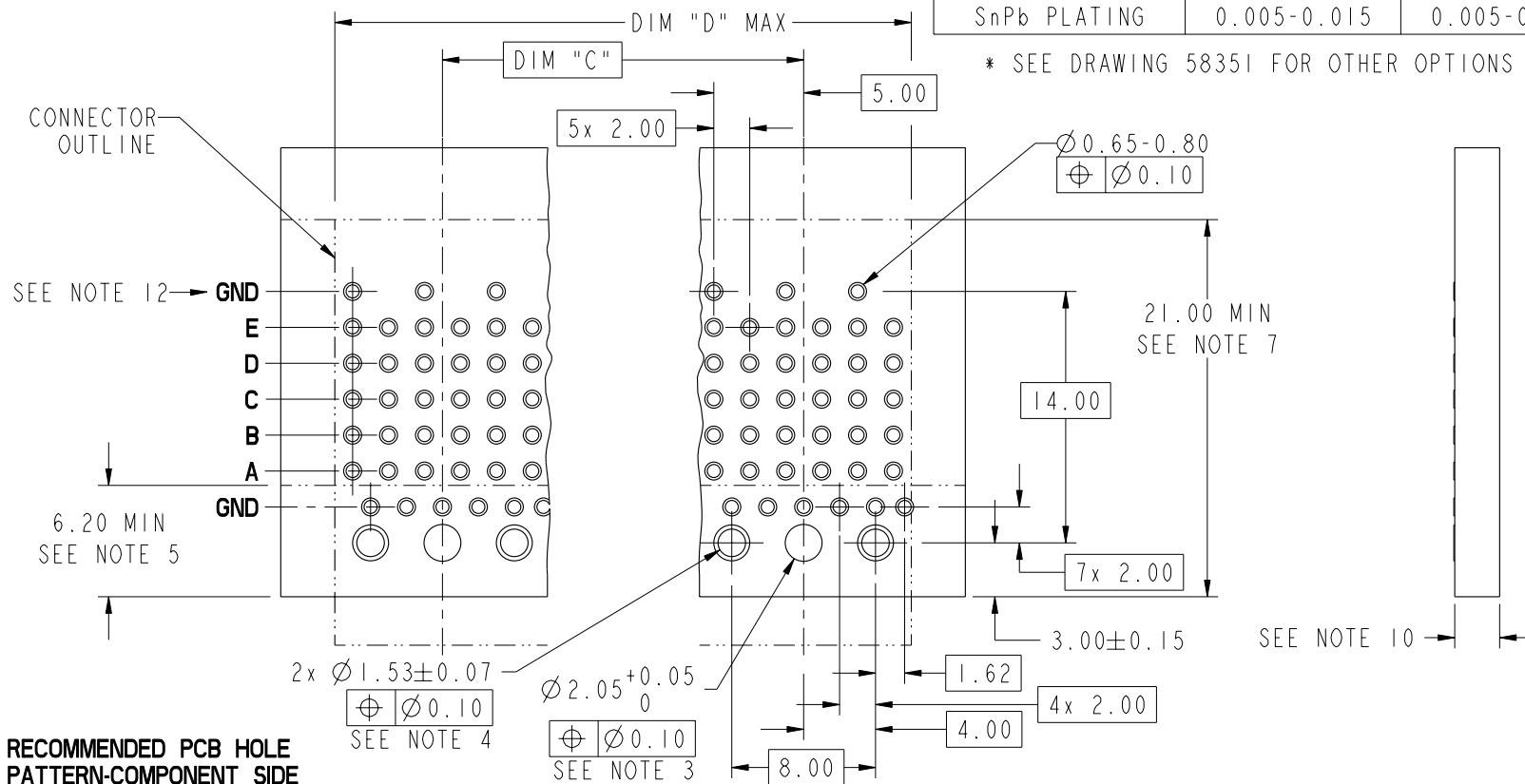


PRODUCT NUMBER
SEE SHEET 3

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		 www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	COPY	projection		
U				angles	0° ±2°			title RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK	
				dr	S. KLINE 2001-07-06		MM	product family	METRAL 1000
				enr	W. J. SWAIN 2001-07-06			size	dwg no
				chr	W. J. SWAIN 2001-07-06			A	84688
				appd	W. J. SWAIN 2001-07-06		scale 1:1		
sheet index	revision sheet								

cage code
22526

Pro/E

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1 2					3 4				
PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING	DIM "C"	DIM "D"	PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING	DIM "C"	DIM "D"
84688-101	TELCORDIA CO	STANDARD (SnPb)	---	11.98	84688-901	TELCORDIA CO	STANDARD (SnPb)	---	11.98
84688-101LF	TELCORDIA CO	LEAD FREE (Sn)	---	11.98	84688-901LF	TELCORDIA CO	LEAD FREE (Sn)	---	11.98
84688-102	TELCORDIA CO	STANDARD (SnPb)	12.00	23.98	84688-901S	CUSTOMER SPECIAL	STANDARD (SnPb)	---	11.98
84688-102LF	TELCORDIA CO	LEAD FREE (Sn)	12.00	23.98	84688-901SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	---	11.98
84688-103	TELCORDIA CO	STANDARD (SnPb)	24.00	35.98	84688-902	TELCORDIA CO	STANDARD (SnPb)	12.00	23.98
84688-103LF	TELCORDIA CO	LEAD FREE (Sn)	24.00	35.98	84688-902LF	TELCORDIA CO	LEAD FREE (Sn)	12.00	23.98
84688-104	TELCORDIA CO	STANDARD (SnPb)	36.00	47.98	84688-902S	CUSTOMER SPECIAL	STANDARD (SnPb)	12.00	23.98
84688-104LF	TELCORDIA CO	LEAD FREE (Sn)	36.00	47.98	84688-902SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	12.00	23.98
84688-105	TELCORDIA CO	STANDARD (SnPb)	48.00	59.98	84688-903	TELCORDIA CO	STANDARD (SnPb)	24.00	35.98
84688-105LF	TELCORDIA CO	LEAD FREE (Sn)	48.00	59.98	84688-903LF	TELCORDIA CO	LEAD FREE (Sn)	24.00	35.98
84688-106	TELCORDIA CO	STANDARD (SnPb)	60.00	71.98	84688-903S	CUSTOMER SPECIAL	STANDARD (SnPb)	24.00	35.98
84688-106LF	TELCORDIA CO	LEAD FREE (Sn)	60.00	71.98	84688-903SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	24.00	35.98
84688-108	O B S O L E T E				84688-904	TELCORDIA CO	STANDARD (SnPb)	36.00	47.98
84688-108LF	O B S O L E T E				84688-904LF	TELCORDIA CO	LEAD FREE (Sn)	36.00	47.98
84688-301	CUSTOMER SPECIAL	STANDARD (SnPb)	---	11.98	84688-904S	CUSTOMER SPECIAL	STANDARD (SnPb)	36.00	47.98
84688-301LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	---	11.98	84688-904SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	36.00	47.98
84688-302	CUSTOMER SPECIAL	STANDARD (SnPb)	12.00	23.98	84688-905	TELCORDIA CO	STANDARD (SnPb)	48.00	59.98
84688-302LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	12.00	23.98	84688-905LF	TELCORDIA CO	LEAD FREE (Sn)	48.00	59.98
84688-303	CUSTOMER SPECIAL	STANDARD (SnPb)	24.00	35.98	84688-905S	CUSTOMER SPECIAL	STANDARD (SnPb)	48.00	59.98
84688-303LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	24.00	35.98	84688-905SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	48.00	59.98
84688-304	CUSTOMER SPECIAL	STANDARD (SnPb)	36.00	47.98	84688-906	TELCORDIA CO	STANDARD (SnPb)	60.00	71.98
84688-304LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	36.00	47.98	84688-906LF	TELCORDIA CO	LEAD FREE (Sn)	60.00	71.98
84688-305	CUSTOMER SPECIAL	STANDARD (SnPb)	48.00	59.98	84688-906S	CUSTOMER SPECIAL	STANDARD (SnPb)	60.00	71.98
84688-305LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	48.00	59.98	84688-906SLF	CUSTOMER SPECIAL	LEAD FREE (Sn)	60.00	71.98
84688-306	CUSTOMER SPECIAL	STANDARD (SnPb)	60.00	71.98	84688-908	O B S O L E T E			
84688-306LF	CUSTOMER SPECIAL	LEAD FREE (Sn)	60.00	71.98	84688-908LF	O B S O L E T E			
84688-308	O B S O L E T E								
84688-308LF	O B S O L E T E								

mat'l code

SEE NOTE 2

ltl

ecr no.

dr

date

linear

angles

dr

enr

chr

aprd

0.X ±0.3

0.XX ±0.10

0.XXX ±0.050

0° ±2°

S. KLINE 2001-07-06

W. J. SWAIN 2001-07-06

W. J. SWAIN 2001-07-06

W. J. SWAIN 2001-07-06

CUSTOMER

COPY

projection

MM

scale

3:1

FCI

www.fciconnect.com

RIGHT ANGLE SIGNAL RECEPTACLE
5 ROW MONOBLOCK

product family METRAL 1000

size

dwg no 84688

code 213

sheet 3

sheet index

revision sheet

1 | 2

Pro/E

3 |

cage code 22526

4

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. $\varnothing 2.05$ HOLE IS UNPLATED

4. $\varnothing 1.53$ 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 $1.3 \mu\text{m Ni MIN}$

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.

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

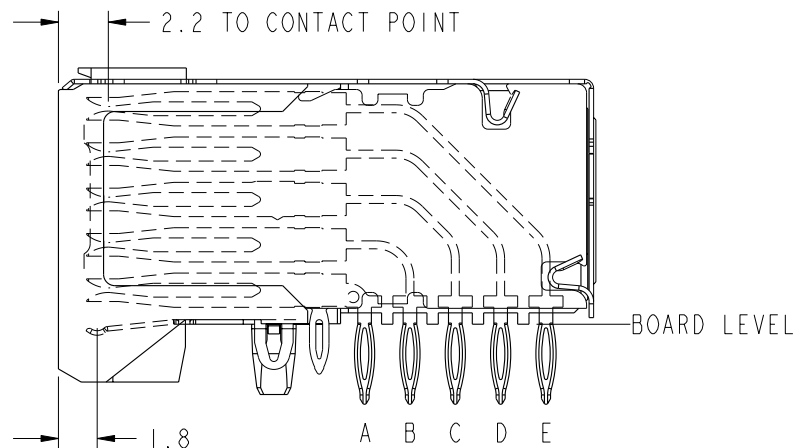
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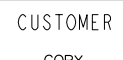


PRODUCT NUMBER
SEE SHEET 3

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		 www.fciconnect.com			
ltr	ecr no.	dr	date	linear	0. X ± 0.3		COPY					
U					0. XX ± 0.10		projection					
					0. XXX ± 0.050							
				angles	0° ± 2°				title RIGHT ANGLE SIGNAL RECEPTACLE 5 ROW MONOBLOCK			
				dr	S. KLINE	2001-07-06	 MM 3:1		product family		METRAL 1000	code
				enrg	W. J. SWAIN	2001-07-06			size	dwg no	213	
				chr	W. J. SWAIN	2001-07-06			A		84688	
				appd	W. J. SWAIN	2001-07-06					sheet 5	
sheet index		revision sheet										

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