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1 | 2

PRODUCT NUMBER	CONTACT AREA PLATING MEETS:
84965-102ZZZ	TELCORDIA CO
84965-102ZZZLF	TELCORDIA CO
84965-302ZZZ	CUSTOMER SPECIAL
84965-302ZZZLF	CUSTOMER SPECIAL
84965-502ZZZ	TELCORDIA UE
84965-502ZZZLF	TELCORDIA UE
84965-902ZZZ	TELCORDIA CO
84965-902ZZZLF	TELCORDIA CO

3 | 4

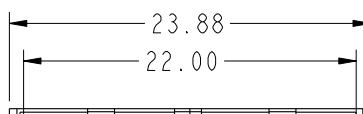
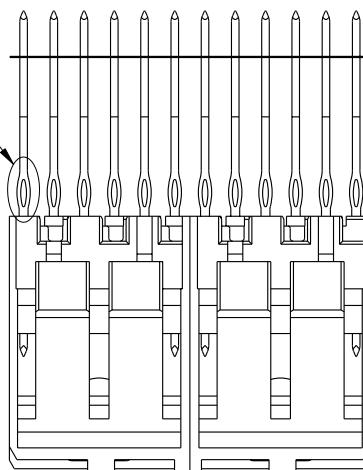
Pro/E

3

cage code

22526

4

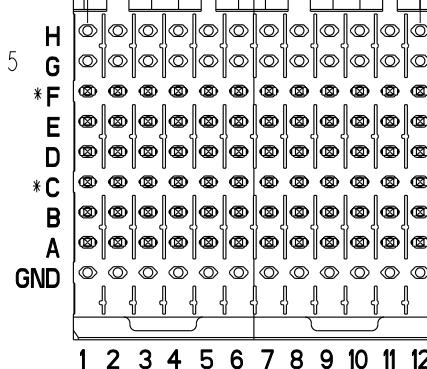
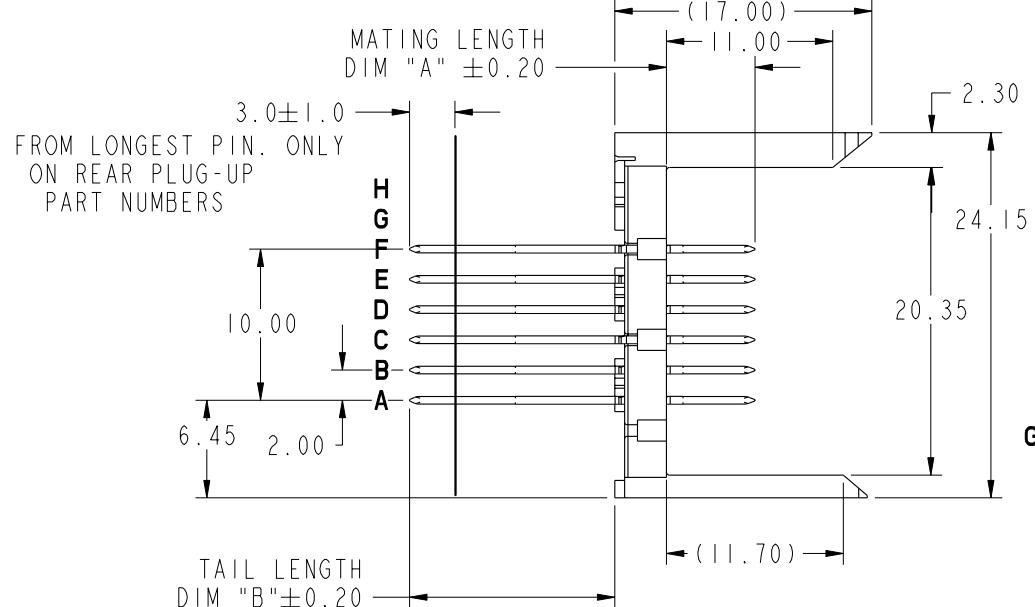


SEE DETAIL A

EYE OF NEEDLE PRESS FIT SECTION

BABY-H PRESS FIT SECTION

DETAIL A
SCALE 4:1
SEE NOTE 14



part no.				SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER COPY	projection	title	www.fciconnect.com
ltr	ecn no.	dr	date					0. X ± 0.3	0. XX ± 0.13	. XXX ± .051	0° ± 2°	product family	METRAL code
L	V06-0569	DCH	2006-06-12	linear	0. X ± 0.3	0. XX ± 0.13	. XXX ± .051						
M	V07-0170	DCH	2007-03-28										
N	V08-0030	HTB	2008-01-22	angles	0. X ± 0.3	0. XX ± 0.13	. XXX ± .051	0° ± 2°					
P	V08-0066	LP	2008-03-24	dr	E. KROPER.	2001-01-15							
-	-	-	-	engr	J. VOLSTORF	2001-01-15							
J	V04-0397	DAI	2004-05-18	chr	J. VOLSTORF	2001-01-15							
K	V05-0955	LP	2005-11-09	appd	J. VOLSTORF	2001-01-15							
sheet index		revision sheet		P	P	P	P						
				1	2	3	4	5					

PDM: Rev:P

STATUS: Released

Printed: May 13, 2011

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH	PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH
			ROWS A,B,C,D,E,F,G&H				ROWS A,B,C,D,E,F,G&H
01*	5.00	4.30	1.60 MIN	04*	7.25	4.30	1.60 MIN
54		11.55	1.60 - 3.15	57		11.55	1.60 - 3.15
22		12.20	2.95 - 3.80	46		12.20	2.95 - 3.80
30		12.95	2.95 - 4.55	33		12.95	2.95 - 4.55
05		13.70	2.95 - 5.30	08		13.70	2.95 - 5.30
35		14.45	3.05 - 6.05	38		14.45	3.05 - 6.05
48		15.20	3.80 - 6.80	51		15.20	3.80 - 6.80
40		15.70	4.30 - 7.30	42		15.70	4.30 - 7.30
65		16.40	5.00 - 8.00	67		16.40	5.00 - 8.00
09		17.10	5.70 - 8.70	12		17.10	5.70 - 8.70
02*	5.75	4.30	1.60 MIN	19*	8.00	4.30	1.60 MIN
55		11.55	1.60 - 3.15	58		11.55	1.60 - 3.15
44		12.20	2.95 - 3.80	47		12.20	2.95 - 3.80
31		12.95	2.95 - 4.55	34		12.95	2.95 - 4.55
06		13.70	2.95 - 5.30	20		13.70	2.95 - 5.30
36		14.45	3.05 - 6.05	39		14.45	3.05 - 6.05
49		15.20	3.80 - 6.80	52		15.20	3.80 - 6.80
25		15.70	4.30 - 7.30	43		15.70	4.30 - 7.30
66		16.40	5.00 - 8.00	68		16.40	5.00 - 8.00
10		17.10	5.70 - 8.70	21		17.10	5.70 - 8.70
03*	6.50	4.30	1.60 MIN				
56		11.55	1.60 - 3.15				
45		12.20	2.95 - 3.80				
32		12.95	2.95 - 4.55				
07		13.70	2.95 - 5.30				
37		14.45	3.05 - 6.05				
50		15.20	3.80 - 6.80				
41		15.70	4.30 - 7.30				
24		16.40	5.00 - 8.00				
11		17.10	5.70 - 8.70				

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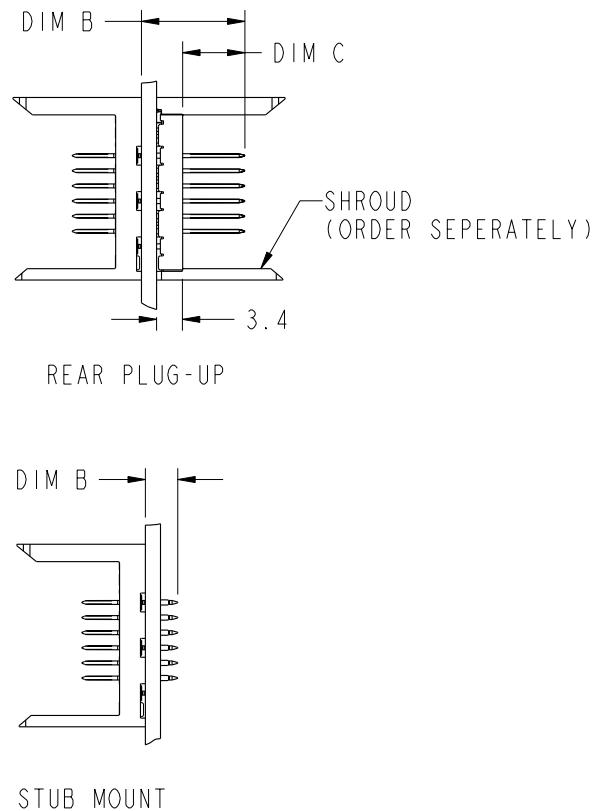
* STUB PINS - NO REAR PLUG-UP

mat'l code SEE NOTE 3				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com		
ltr	ecn no.	dr	date	0. X \pm 0.3	COPY					
P				0. XX \pm 0.13	projection	title VERTICAL SIGNAL HDR 8 ROW P. F. 96 POS. SELECT LOAD EXT.				
				.XXX \pm .051						
				0° \pm 2°						
		dr	E. KROPER	2001-01-15	MM scale	product family		METRAL	code	
		engr	J. VOLSTORF	2001-01-15		size	dwg no			213
		chr	J. VOLSTORF	2001-01-15			A		84965	sheet
		appd	J. VOLSTORF	2001-01-15			:			2 of 5
sheet	revision									
index	sheet									

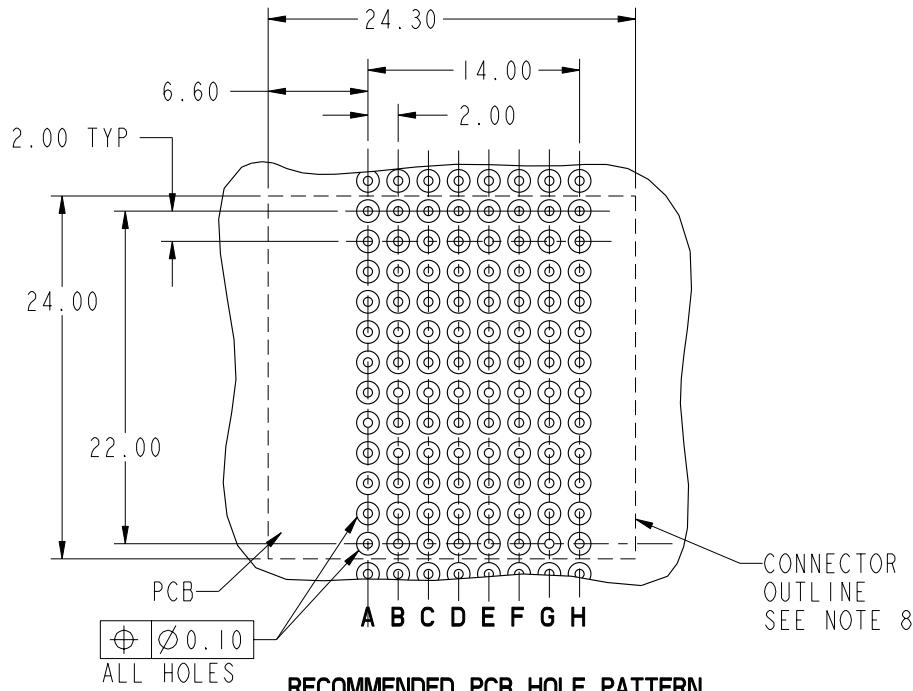


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PRODUCT NUMBER	1 2
SEE SHEET 1	



PRESS-FIT HOLES	OPTION 1
HOLE DIAMETER AFTER PLATING	$\phi 0.65-0.80$
DRILLED HOLE	$\phi 0.81-0.86$ ($\phi 0.85$ DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015



mat'l code				SEE NOTE 3		tolerances unless otherwise specified		CUSTOMER COPY	FCI	www.fciconnect.com
ltr	ecn no.	dr	date	linear	0. X ± 0.3	projection	title			
P					0. XX ± 0.13					
					. XXX ± .051					
				angles	0° ± 2°					
					dr	E. KROPER, 2001-01-15	MM	product family	METRAL	code
					engr	J. VOLSTORF 2001-01-15		size	dwg no	213
					chr	J. VOLSTORF 2001-01-15	scale	A		sheet
					oppd	J. VOLSTORF 2001-01-15	1 : 1		84965	3
sheet index		revision sheet								

SELECT LOAD PATTERNS

SELECT LOAD PATTERNS

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10

mat'l code SEE NOTE 3

tolerances unless otherwise specified

CUSTOMER

FCI

www.fcicollect.com

PRODUCT NUMBER
SEE SHEET 1

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
3. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0. PIN MATERIAL: PHOSPHER BRONZE
4. PLATING ON CONTACT AREAS PER PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET 1. PLATING ON "LF" TAILS IS Sn ONLY. PLATING ON ALL OTHER TAILS IS SnPb.
5. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
DIM A : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H
DIM C : 5.0mm MIN, 8.0mm MAX FOR ROWS A-H
6. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 1.6mm
7. USE SHROUD 98173-102 FOR REAR PLUG-UP APPLICATIONS.
8. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.

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9. CURRENT RATING : 1 AMP PER PIN
10. TEMPERATURE RANGE : -55°C TO +105°C

11. P/N 84965-X02ZZZLF



LEAD FREE (OPTIONAL)
SELECT LOAD PATTERNS
PLATING CODE

12. 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.

13. FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX. EXAMPLE: 84965-X02ZZZLF

14. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

A

A

mat'l code				SEE NOTE 3		tolerances unless otherwise specified		CUSTOMER COPY	title	product family	METRAL	code
ltr	ecn no.	dr	date	linear	0.0 ±0.3	projection						
P					0.00 ±0.13							
					.XXX ±.051							
				angles	0° ±2°							
						dr	E. KROPER.	2001-01-15	MM			
						engr	J. VOLSTORF	2001-01-15				
						chr	J. VOLSTORF	2001-01-15	scale			
						oppd	J. VOLSTORF	2001-01-15				
				sheet	revision							
				index	sheet							



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VERTICAL SIGNAL HDR 8 ROW
P.F. 96 POS. SELECT LOAD EXT.

213

sheet

5

B

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

[84965-302004LF](#) [84965-102001LF](#) [84965-102003LF](#) [84965-102004LF](#) [84965-302001LF](#) [84965-302003LF](#) [84965-302002LF](#) [84965-102002LF](#)