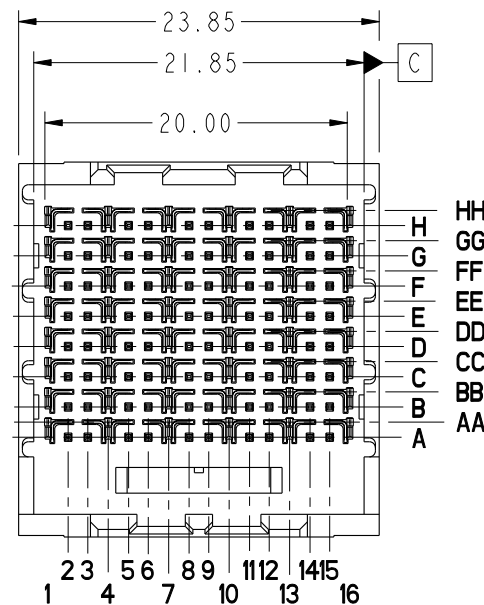
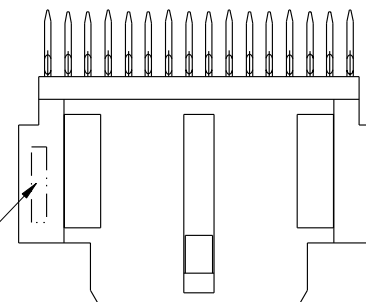
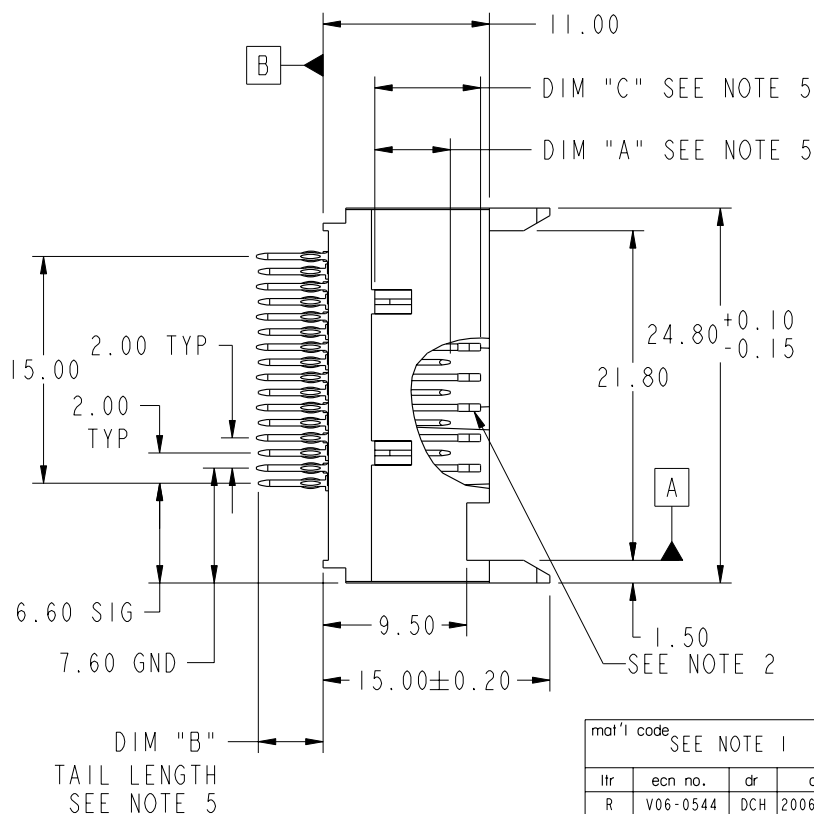




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PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS-FIT TAIL PLATING
74750-1YY	TELCORDIA CO	STANDARD (SnPb)
74750-1YYLF	TELCORDIA CO	LEAD FREE (Sn)

SEE NOTE 9



mat'l code SEE NOTE 1				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ± 0.3	COPY		www.fciconnect.com	
R	V06-0544	DCH	2006-06-09	linear	0.XX ± 0.10	projection		title	
S	V08-0125	HTB	2008-03-26	linear	0.XXX ± 0.050	MM		VERTICAL SIGNAL HDR. 8 ROW	
-	-	-	-	angles	0° ± 2°	scale		P.F. 40 PAIR SPECIAL LOAD	
L	V04-0070	DAI	2004-02-04	dr	S. KLINE 2000-04-21	product family		METRAL 3000	
M	V04-0422	DAI	2004-05-06	enrg	J. ORTEGA 2000-04-21	size		code	
N	V04-0661	TAB	2004-06-22	chr	A. RAISTRICK 2000-04-21	dwg no		213	
P	V05-0925	DAI	2005-10-24	appd	J. ORTEGA 2000-04-21	A		74750	
sheet index		revision	S	S	S	S	S	1 of 5	
sheet		1	2	3	4	5			

Pro/E

cage code 22526

4

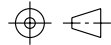
PDM: Rev:S

STATUS: Released

Printed: Dec 01, 2010



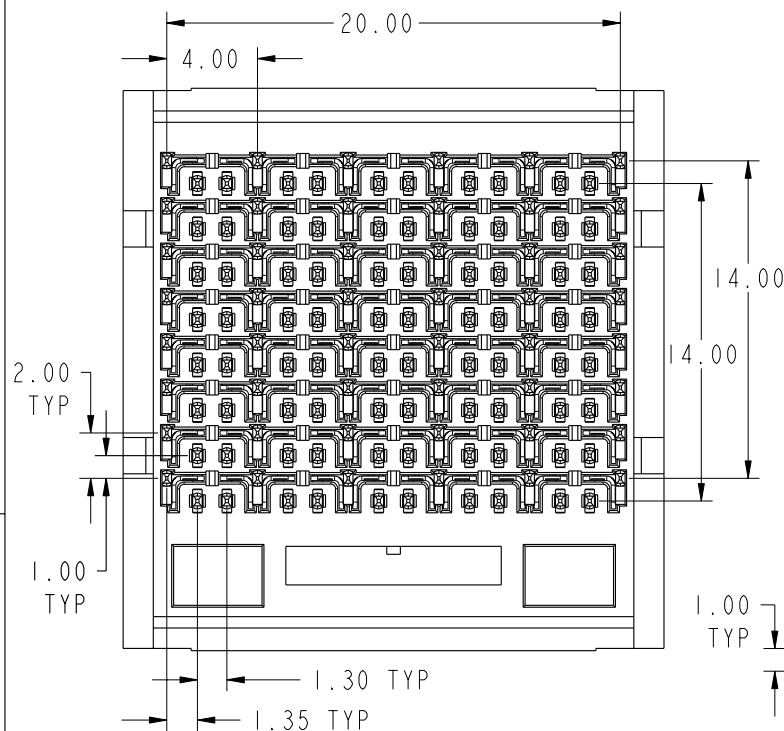
PRODUCT NUMBER	DIM "A" SIGNAL PIN MATING LENGTH	DIM "C" GROUND PIN MATING LENGTH	DIM "B" SIGNAL PIN TAIL LENGTH	DIM "B" GROUND PIN TAIL LENGTH
74750-101	5.00	7.00	4.30	4.30
74750-101LF	5.00	7.00	4.30	4.30
74750-102	5.75	7.00	4.30	4.30
74750-102LF	5.75	7.00	4.30	4.30
74750-103	6.50	7.00	4.30	4.30
74750-103LF	6.50	7.00	4.30	4.30
74750-104	5.00	6.25	4.30	4.30
74750-104LF	5.00	6.25	4.30	4.30
74750-110	5.00	7.00	3.40	3.40
74750-110LF	5.00	7.00	3.40	3.40
74750-111	5.75	7.00	3.40	3.40
74750-111LF	5.75	7.00	3.40	3.40
74750-112	6.50	7.00	3.40	3.40
74750-112LF	6.50	7.00	3.40	3.40
74750-114	5.00	6.25	3.40	3.40
74750-114LF	5.00	6.25	3.40	3.40

mat'l code SEE NOTE 1				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY			title VERTICAL SIGNAL HDR. 8 ROW P.F. 40 PAIR SPECIAL LOAD
S					0.XX ±0.10					
					0.XXX ±0.050					
				angles	0° ±2°					
				dr	S. KLINE	2000-04-21	product family		METRAL 3000	code
				enrg	J. ORTEGA	2000-04-21	size		dwg no	213
				chr	A. RAISTRICK	2000-04-21	scale		A	sheet
				appd	J. ORTEGA	2000-04-21	1:1		74750	2
sheet index	revision sheet									

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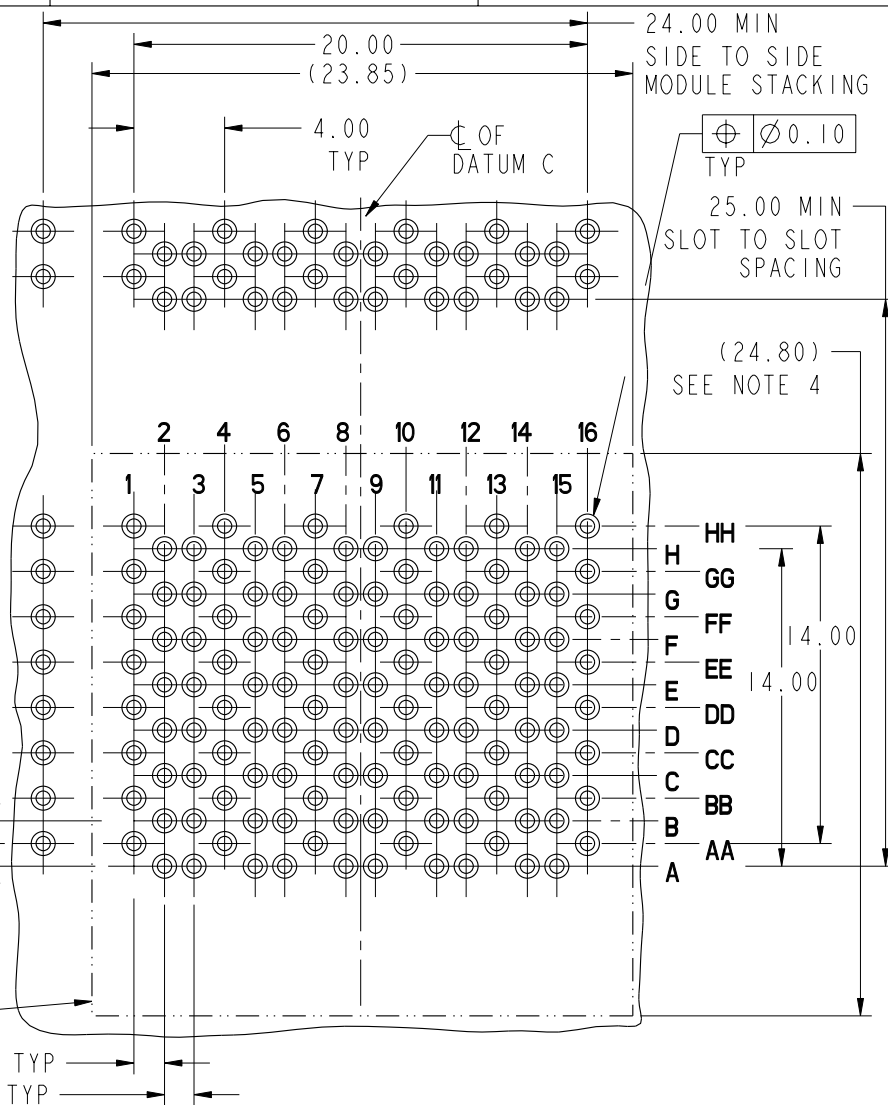


PRODUCT NUMBER
SEE SHEET 1

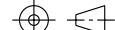
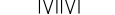


BOARD SIDE VIEW
SCALE 3:1

CONNECTOR
OUTLINE



PRESS-FIT HOLES	SIZE RANGE	NOMINAL
HOLE DIAMETER AFTER PLATING	$\varnothing 0.55 - \varnothing 0.65$	$\varnothing 0.60$
DRILLED HOLE	$\varnothing 0.68 - \varnothing 0.73$	$\varnothing 0.70$
COPPER PLATING	0.025 MIN	
SnPb PLATING	0.005 - 0.015	

mat'l code SEE NOTE 1				tolerances unless otherwise specified			CUSTOMER		FCi www.fciconnect.com						
ltr	ecn no.	dr	date	linear	0. X ± 0.3			COPY		title VERTICAL SIGNAL HDR. 8 ROW P.F. 40 PAIR SPECIAL LOAD					
S					0. XX ± 0.10			projection 							
					0. XXX ± 0.050										
				angles	0° ± 2°										
		dr			S. KLINE	2000-04-21	 scale 1 : 1		product family		METRAL 3000	code	213		
		enr			J. ORTEGA	2000-04-21			size	dwg no	74750			sheet	3
		chr			A. RAISTRICK	2000-04-21									
		appd			J. ORTEGA	2000-04-21									
sheet index	revision sheet														

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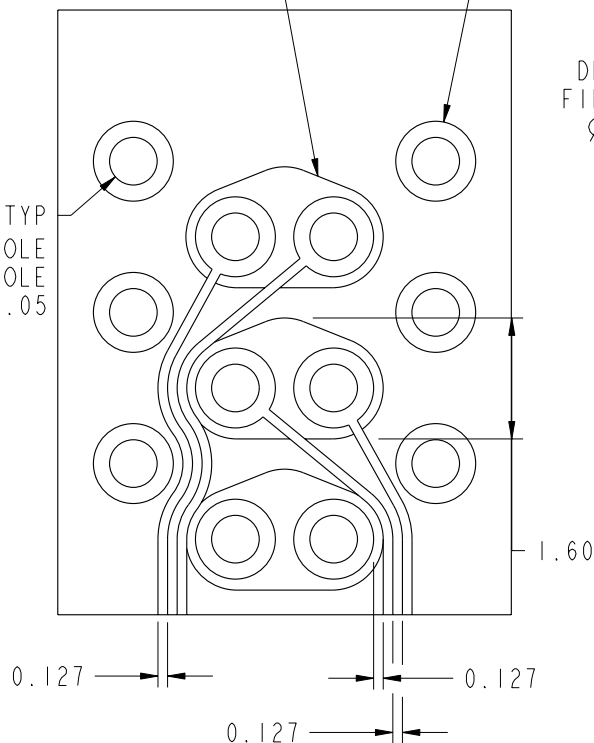


PRODUCT NUMBER
SEE SHEET 1

SUGGESTED GROUND CLEARANCE
PATTERN

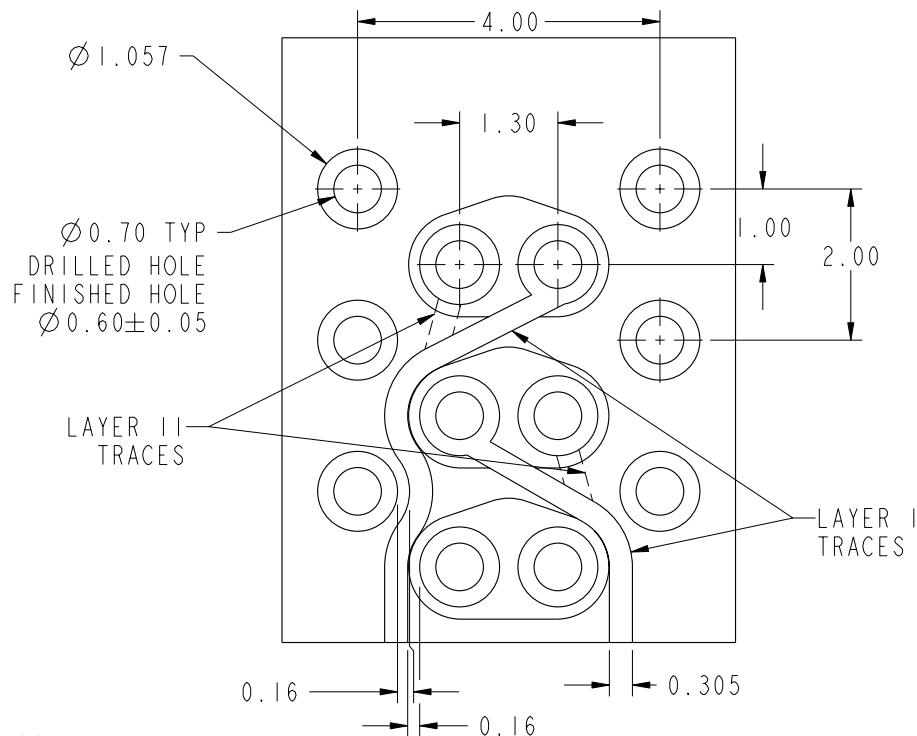
Ø 1.057
PAD SIZE

Ø 0.70 TYP
DRILLED HOLE
FINISHED HOLE
Ø 0.60 ± 0.05



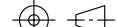
OPTION A (EDGE COUPLED)
DIFFERENTIAL
PCB TRACE LAYOUT

- 0.127 mm [0.005 in] TRACES MAX
WITH 0.127 mm [0.005 in] GAPS
- 4 TRACES (2 PAIRS) PER LAYER



OPTION B (BROADSIDE COUPLED)
DIFFERENTIAL
PCB TRACE LAYOUT

- UP TO 0.305 mm [0.012 in]
TRACES MAX WITH 0.16 mm
[0.006 in] GAPS
- 2 TRACES PER LAYER

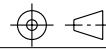
mat'l code SEE NOTE 1				tolerances unless otherwise specified			CUSTOMER		FCi www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0. X ± 0.3		COPY		title VERTICAL SIGNAL HDR. 8 ROW P.F. 40 PAIR SPECIAL LOAD		
S					0. XX ± 0.10		projection 				
					0. XXX ± 0.050						
				angles	0° ± 2°						
		dr			S. KLINE	2000-04-21	MM  scale 1 : 1		product family	METRAL 3000	code
		engr			J. ORTEGA	2000-04-21			size	dwg no	213
		chr			A. RAISTRICK	2000-04-21			A	74750	sheet 4
		appd			J. ORTEGA	2000-04-21					
sheet index	revision sheet										

PRODUCT NUMBER

SEE SHEET 1

NOTES:

1. BODY MATERIAL: LIQUID CRYSTAL POLYMER 30% GF
FLAME RETARDANT PER UL 94-V0.
PIN MATERIAL: COPPER ALLOY
 2. DIM "C" REFERENCES GROUND PIN AND
DIM "A" REFERENCES SIGNAL PIN.
 3. PRODUCT MARKING: PART NUMBER AND BATCH ID.
 4. REFERENCE METRAL 3000 APPLICATION SPEC GS-20-012
FOR MODULE APPLICATION AND REPAIR REQUIREMENTS.
 5. DIMENSIONS AFTER INSERTION INTO CIRCUIT BOARD WITH
FCI APPROVED TOOLING.
 6. REFERENCE METRAL 3000 PRODUCT SPEC GS-12-138.
 7. PRODUCT 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.
8. FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX.
EXAMPLE: 74570-1YYLF
 9. COMPANY LOGO TO BE LOCATED IN THIS AREA.

mat'l code SEE NOTE 1				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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title
VERTICAL SIGNAL HDR. 8 ROW
P.F. 40 PAIR SPECIAL LOAD

product family METRAL 3000 code

size dwg no 213

74750 sheet

5

cage code 22526