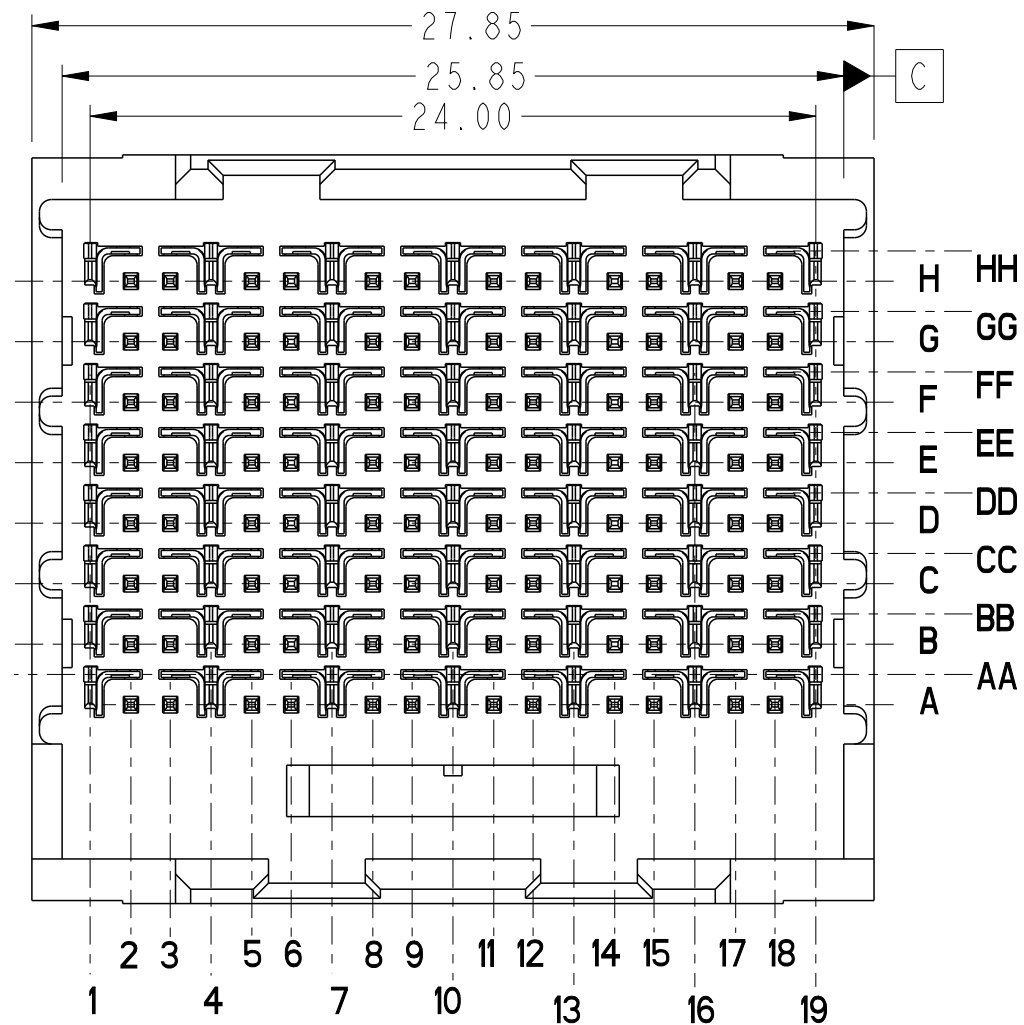
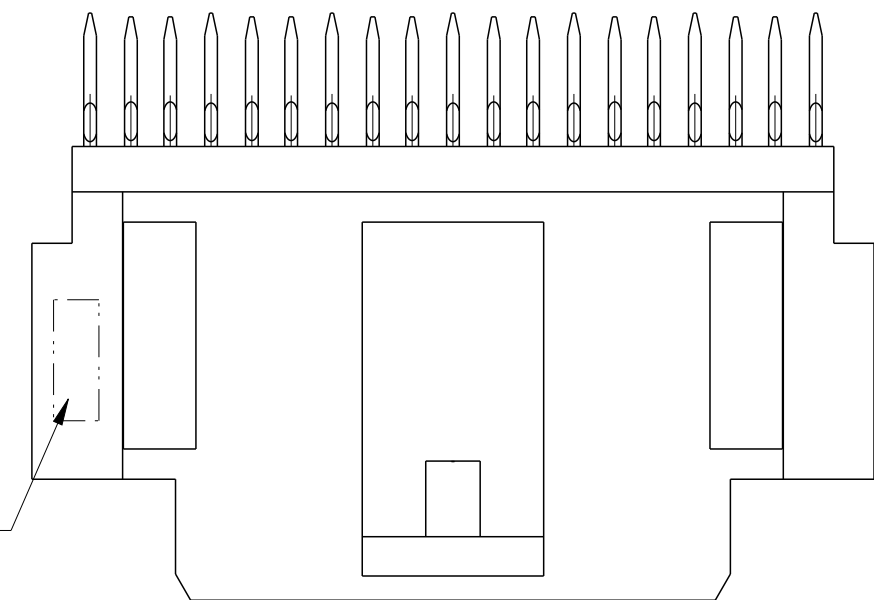
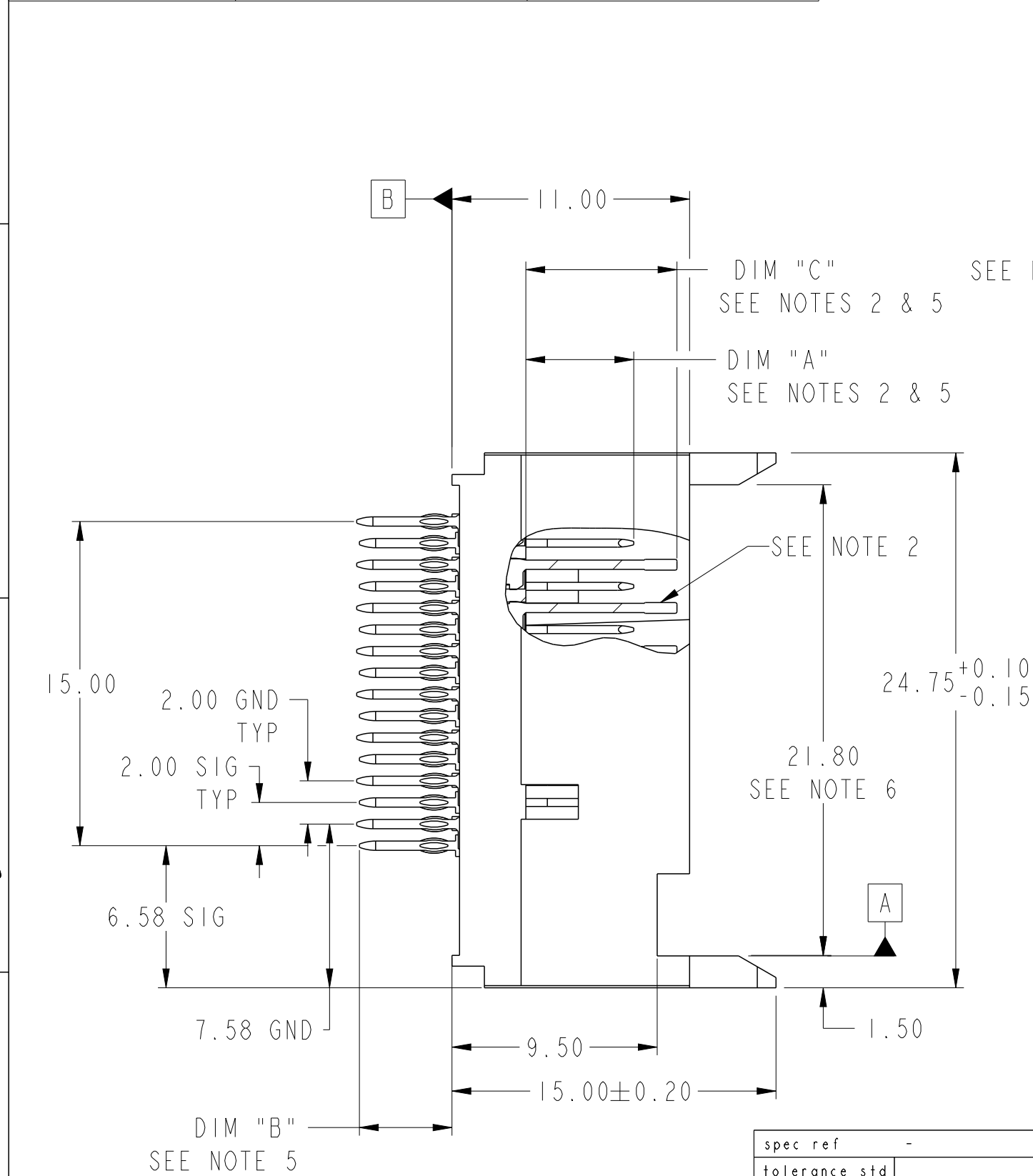
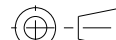


PRODUCT NUMBER	CONTACT PLATING PERFORMANCE LEVEL	PRESS FIT TAIL PLATING
84962-1YY	TELCORDIA CO	STANDARD (SnPb)
84962-1YYLF	TELCORDIA CO	LEAD FREE (Sn)



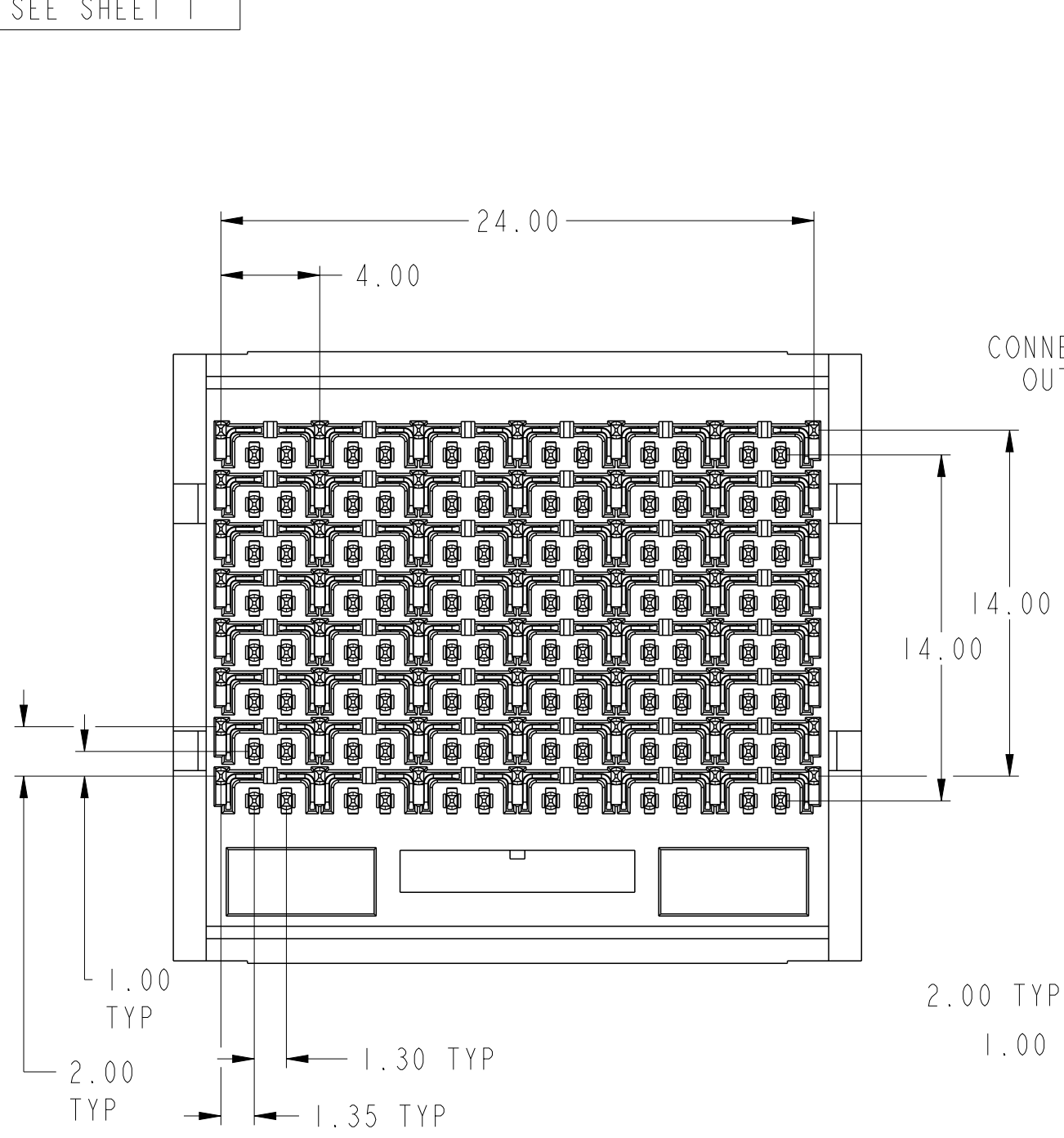
spec ref	-	dr	wcadmin	1999/12/17	projection	mm	size	A3	scale	4:1
tolerance std	ASME Y14.5	eng	K Ayyapparaj	2012/09/27	chr	-	ecn no	ELX-V-013035-1	rel level	Released
surface	✓	appr	R Marshall	2012/10/01	product family	METRAL 3000	rel level	Released	rev	K
linear	0.X ±0.3	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 5			
angular	0° ±2°									
vertical	VERTICAL SIGNAL HDR. 8 ROW									
P.F.	48 POS. SPECIAL LOAD									
dwg no	84962									

1				2			3				4		
PRODUCT NO.	ROW	DIM "A"	GROUND PIN MATE LENGTH	DIM "B" SIGNAL	DIM "B" GND		PRODUCT NO.	ROW	DIM "A"	GROUND PIN MATE LENGTH	DIM "B" SIGNAL	DIM "B" GND	
84962-X01 SEE NOTE 7 LEAD FREE OPTION	H	5.00	7.00	4.30	4.30		84962-X10 SEE NOTE 7 LEAD FREE OPTION	H	5.00	7.00	3.40	3.40	
	G	5.00	7.00	4.30	4.30			G	5.00	7.00	3.40	3.40	
	F	5.00	7.00	4.30	4.30			F	5.00	7.00	3.40	3.40	
	E	5.00	7.00	4.30	4.30			E	5.00	7.00	3.40	3.40	
	D	5.00	7.00	4.30	4.30			D	5.00	7.00	3.40	3.40	
	C	5.00	7.00	4.30	4.30			C	5.00	7.00	3.40	3.40	
	B	5.00	7.00	4.30	4.30			B	5.00	7.00	3.40	3.40	
	A	5.00	7.00	4.30	4.30			A	5.00	7.00	3.40	3.40	
84962-X02 SEE NOTE 7 LEAD FREE OPTION	H	5.75	7.00	4.30	4.30		84962-X11 SEE NOTE 7 LEAD FREE OPTION	H	5.75	7.00	3.40	3.40	
	G	5.75	7.00	4.30	4.30			G	5.75	7.00	3.40	3.40	
	F	5.75	7.00	4.30	4.30			F	5.75	7.00	3.40	3.40	
	E	5.75	7.00	4.30	4.30			E	5.75	7.00	3.40	3.40	
	D	5.75	7.00	4.30	4.30			D	5.75	7.00	3.40	3.40	
	C	5.75	7.00	4.30	4.30			C	5.75	7.00	3.40	3.40	
	B	5.75	7.00	4.30	4.30			B	5.75	7.00	3.40	3.40	
	A	5.75	7.00	4.30	4.30			A	5.75	7.00	3.40	3.40	
84962-X03 SEE NOTE 7 LEAD FREE OPTION	H	6.50	7.00	4.30	4.30		84962-X12 SEE NOTE 7 LEAD FREE OPTION	H	6.50	7.00	3.40	3.40	
	G	6.50	7.00	4.30	4.30			G	6.50	7.00	3.40	3.40	
	F	6.50	7.00	4.30	4.30			F	6.50	7.00	3.40	3.40	
	E	6.50	7.00	4.30	4.30			E	6.50	7.00	3.40	3.40	
	D	6.50	7.00	4.30	4.30			D	6.50	7.00	3.40	3.40	
	C	6.50	7.00	4.30	4.30			C	6.50	7.00	3.40	3.40	
	B	6.50	7.00	4.30	4.30			B	6.50	7.00	3.40	3.40	
	A	6.50	7.00	4.30	4.30			A	6.50	7.00	3.40	3.40	

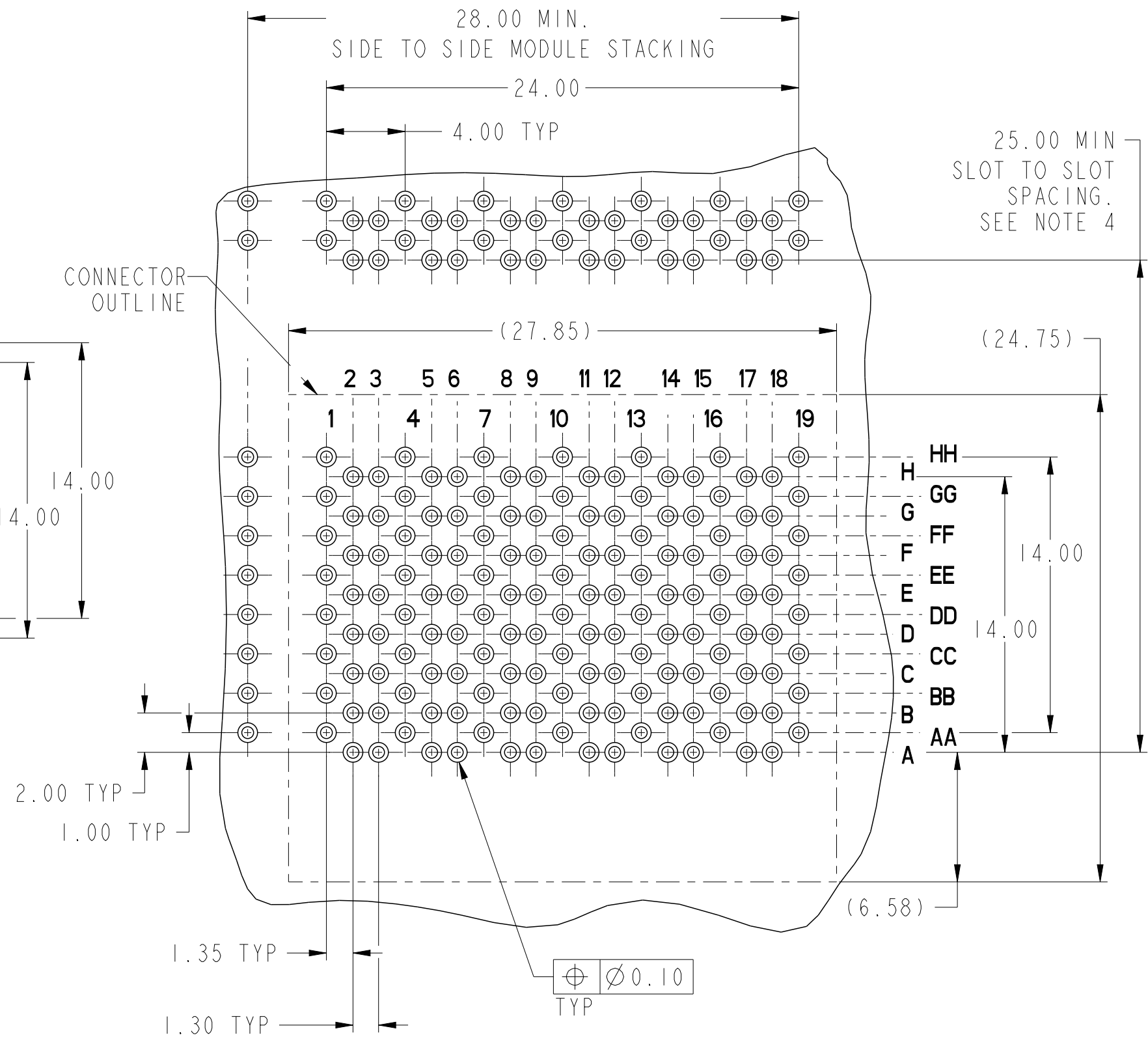
spec ref -				dr wcadmin		1999/12/17		projection 	mm 	size A3		scale 4:1	
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng K Ayyapparaj		2012/09/27				ecn no ELX-V-013035-1			
				chr -		-				rel level Released			
				appr R Marshall		2012/10/01		product family METRAL 3000					
surface 	linear	0.X ±0.3			title	VERTICAL SIGNAL HDR. 8 ROW P.F. 48 POS. SPECIAL LOAD				dwg no	84962		rev K
		0.XX ±0.10											
		0.XXX ±0.050											
ASME Y14.5		angular	0° ±2°	www.fci.com		cat. no.		Product - Customer Drw				sheet 2 of 5	



PRODUCT NUMBER
SEE SHEET 1



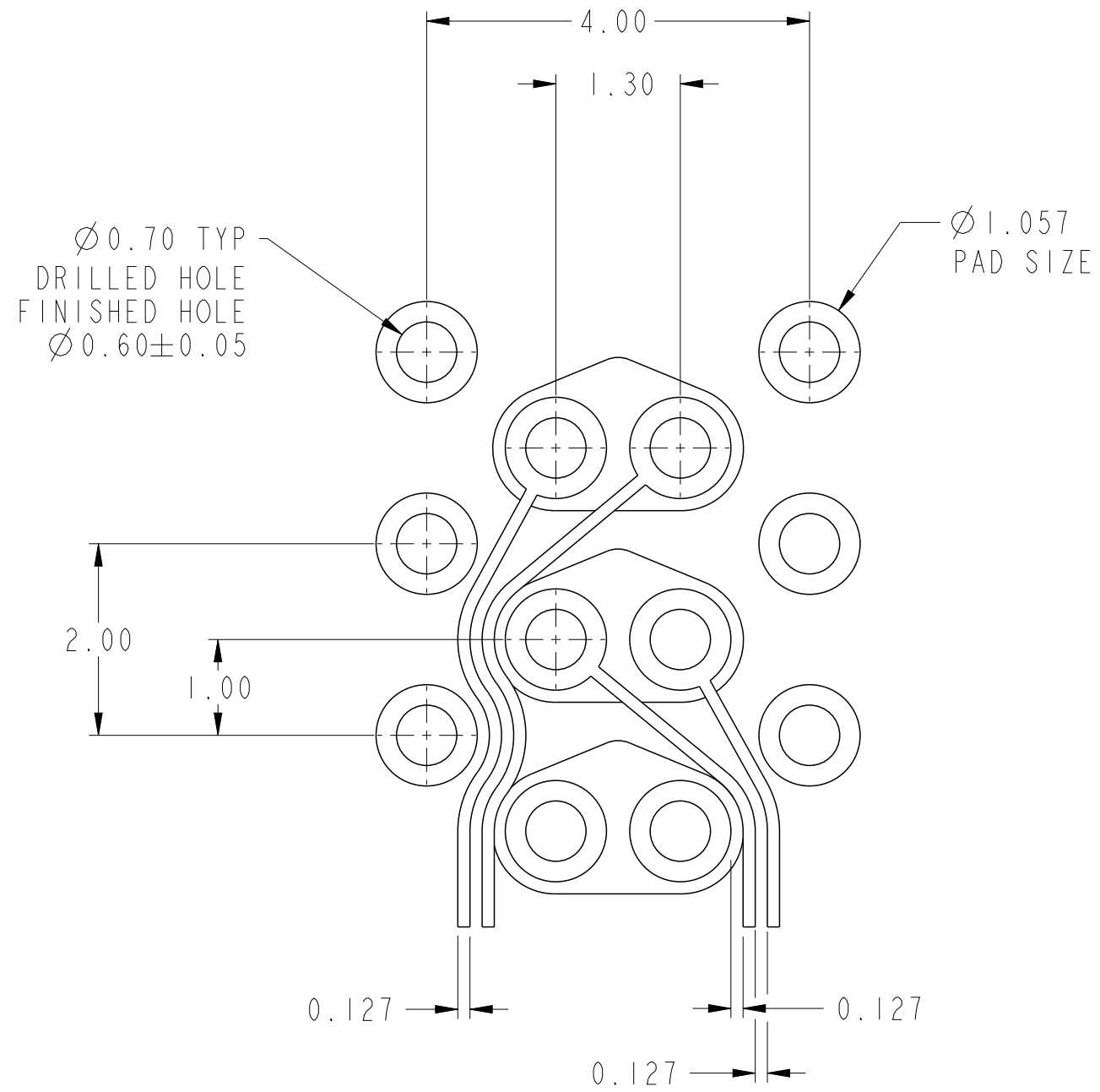
BOARD SIDE VIEW
SCALE 4:1



REFER SHEET 5 FOR PRESS-FIT HOLES TABLE

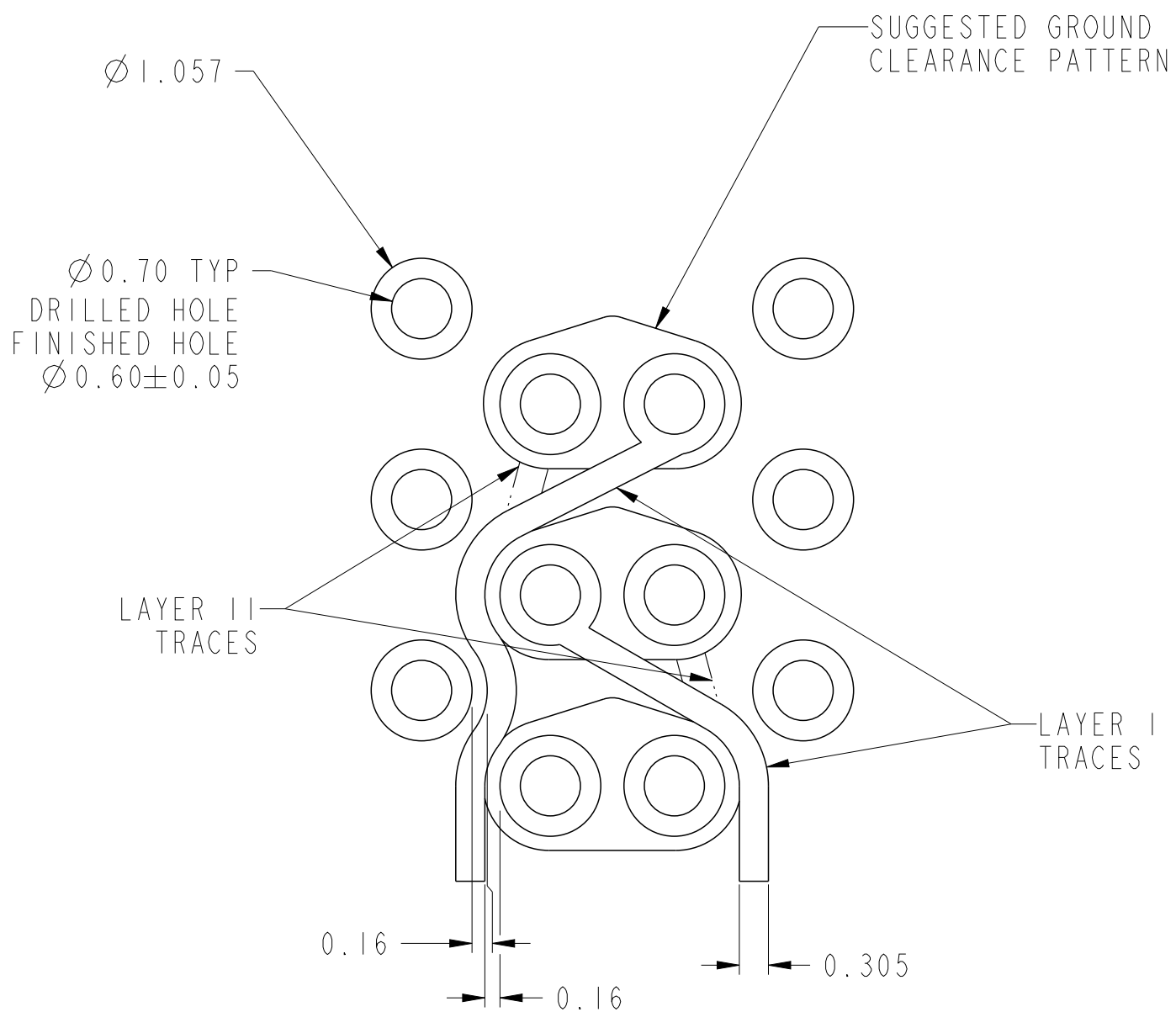
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tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	K Ayyapparaj	2012/09/27			ecn no	ELX-V-013035-1		
				chr	-	-			rel level			Released
surface ✓ ASME Y14.5	linear	0.X	±0.3		title	VERTICAL SIGNAL HDR. 8 ROW			dwg no	84962		rev K
		0.XX	±0.10									
		0.XXX	±0.050			P.F. 48 POS. SPECIAL LOAD						
	angular	0°	±2°			www.fci.com	cat. no.	Product - Customer Drw			sheet 3 of 5	

PRODUCT NUMBER
SEE SHEET 1



OPTION A (EDGE COUPLED)
METRAL - DIFFERENTIAL PCB
TRACE LAYOUT
SCALE 15:1

- 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)
METRAL - DIFFERENTIAL
PCB TRACE LAYOUT
SCALE 15:1 - UP TO 0.305 mm [0.012 in]
TRACES MAX WITH 0.16 mm
[0.006 in] GAPS
- 2 TRACES PER LAYER

spec ref	-	dr	wcadmin	1999/12/17	projection	mm	size	A3	scale	1:1
tolerance std	ASME Y14.5	eng	K Ayyapparaj	2012/09/27	chr	-	ecm no	ELX-V-013035-1	rel level	Released
surface	✓	appr	R Marshall	2012/10/01	product family	METRAL 3000	rel level	Released	rev	K
linear	0.X ±0.3	0.XX ±0.10	0.XXX ±0.050	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 5	

A

B

C

D

RECOMMENDED PRESS-FIT HOLES SIZES	RECOMMENDED SIZES FOR SnPb PLATED HOLES	RECOMMENDED SIZES FOR IMMERSION Au PLATED HOLES	RECOMMENDED SIZES FOR IMMERSION Ag PLATED HOLES	RECOMMENDED SIZES FOR IMMERSION Sn PLATED HOLES
DRILLED HOLE SIZE	Ø 0.705±0.025	Ø 0.75±0.025	Ø 0.75±0.025	Ø 0.75±0.025
FINISHED HOLE SIZE	Ø 0.60±0.05	Ø 0.63±0.05	Ø 0.63±0.05	Ø 0.63±0.05
COPPER PLATING THICKNESS	0.025 MIN	0.037±0.013	0.037±0.013	0.037±0.013
NICKEL PLATING THICKNESS		0.005±0.002µm		
PLATING THICKNESS	0.010±0.005µm	FLASH TO 0.002µm	0.40±0.25µm	1.20±0.30µm



A

B

C

D

NOTES:

1. BODY MATERIAL: LIQUID CRYSTAL POLYMER 30% GF
FLAME RETARDANT IN ACCORDANCE WITH UL 94-VO.
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. 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.
FOR LEAD FREE PART NUMBERS ADD "LF" SUFFIX.
EXAMPLE: 84962-1YYLF.
8. COMPANY LOGO LOCATED IN THIS AREA.
9. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



spec ref	-	dr	wcadmin	1999/12/17	projection	mm	size	A3	scale	4:1
tolerance std	ASME Y14.5	eng	K Ayyapparaj	2012/09/27	chr	-	ecn no	ELX-V-013035-1	rel level	Released
surface	✓	appr	R Marshall	2012/10/01	product family	METRAL 3000	rel level	Released	rev	K
linear	0.X ±0.3	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 5 of 5			
linear	0.XX ±0.10									
linear	0.XXX ±0.050									
ASME Y14.5										

Mouser Electronics

Authorized Distributor

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