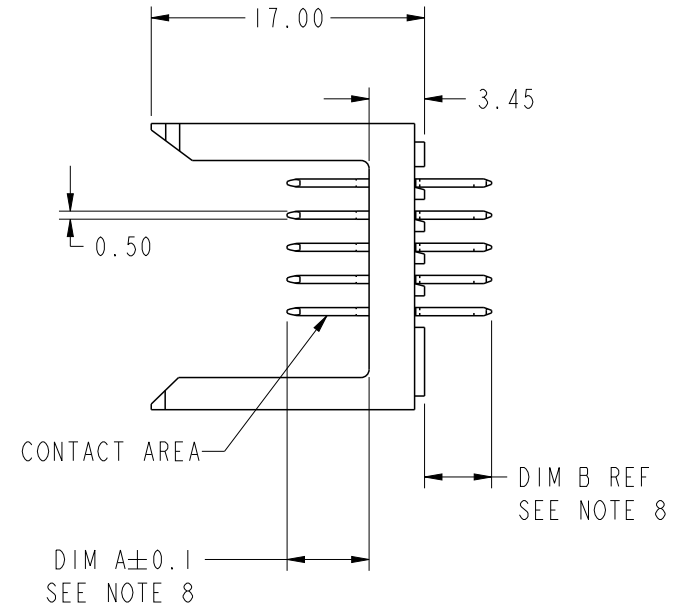
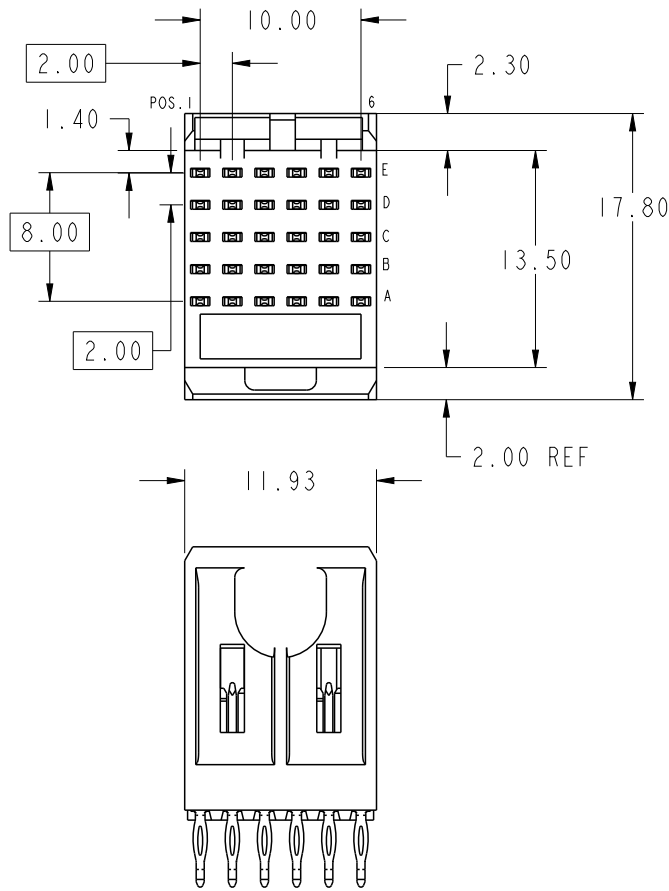
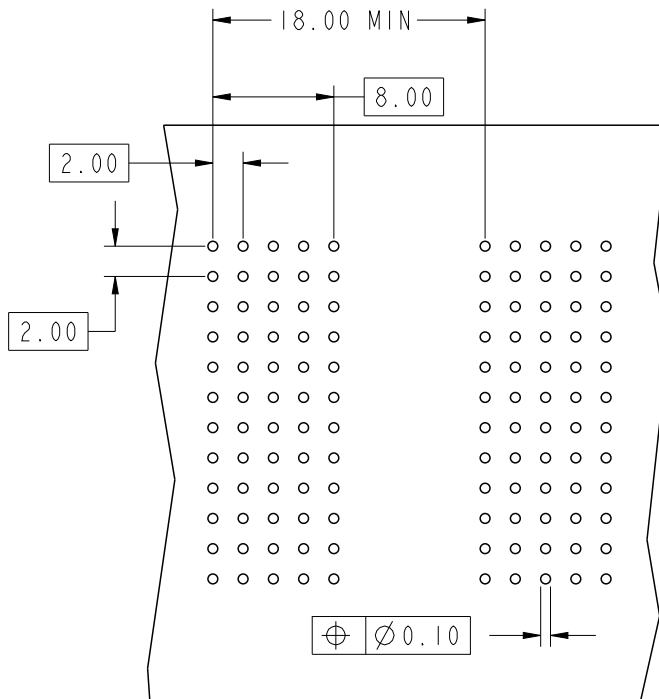


PRODUCT NUMBER

89006-XYLF



spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1		
ISO 406		chr	-	-			rel level	Released		
ISO 1101		appr	K-Paul Biju	2018/07/13	product family	METRAL				
surface	3.200 linear				title	METRAL SIGNAL HEADER	dwg no	89006	rev	BM
ISO 1302	angular				1 MOD, 5 ROW PRESS-FIT					
	0.X				cat. no.	-	Product - Customer Drw	sheet 1 of 9		
	0.XX									
	0.XXX									
	0°									
	±0.3									
	±0.13									
	±0.050									
	±2°									



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
59	5.00	11.80

spec ref		*		dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1				
				chr	-	-			rel level	Released				
				appr	K-Paul Biju	2018/07/13						product family		METRAL
surface	3.200 linear	0.X	±0.3	Amphenol FCI		title	METRAL SIGNAL HEADER		dwg no	89006		rev	BM	
ISO 1101	0.XX	±0.13	I MOD, 5 ROW PRESS-FIT											
	0.XXX	±.050												
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 9			

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D

METRAL P/N		ROW	CONTACT CODE MOD. I					
89006-X36LF		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	10	10	10	10	10	10
		A	10	10	10	10	10	10
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X41LF		E	2	2	2	2	2	2
		D	1	1	1	1	1	1
		C	2	2	2	2	2	2
		B	2	2	2	2	2	2
		A	3	3	3	3	3	3
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X45LF		E	1	1	1	1	1	1
		D	19	19	19	19	19	19
		C	1	1	1	1	1	1
		B	19	19	19	19	19	19
		A	1	1	1	1	1	1
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X49LF		E	4	4	4	4	4	4
		D	3	3	3	3	3	3
		C	3	3	3	3	3	3
		B	3	3	3	3	3	3
		A	19	19	19	19	19	19
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X53LF		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	8	8	8	8	8	8
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X57LF		E	6	6	6	6	6	6
		D	7	7	7	7	7	7
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	7	7	7	7	7	7
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X37LF		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	10	10	10	10	10	10
		A	21	21	21	21	21	21
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X42LF		E	2	2	2	2	2	2
		D	4	4	4	4	4	4
		C	4	4	4	4	4	4
		B	3	3	3	3	3	3
		A	4	4	4	4	4	4
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X46LF		E	2	2	2	2	2	2
		D	2	2	2	2	2	2
		C	4	4	4	4	4	4
		B	2	2	2	2	2	2
		A	2	2	2	2	2	2
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X50LF		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	6	6	6	6	6	6
		B	8	8	8	8	8	8
		A	6	6	6	6	6	6
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X54LF		E	5	5	5	5	5	5
		D	7	7	7	7	7	7
		C	8	8	8	8	8	8
		B	7	7	7	7	7	7
		A	5	5	5	5	5	5
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X58LF		E	20	20	20	20	20	20
		D	20	20	20	20	20	20
		C	20	20	20	20	20	20
		B	20	20	20	20	20	20
		A	20	20	20	20	20	20
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X39LF		E	12	12	12	12	12	12
		D	12	12	12	12	12	12
		C	12	12	12	12	12	12
		B	12	12	12	12	12	12
		A	12	12	12	12	12	12
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X43LF		E	2	2	2	2	2	2
		D	2	2	2	2	2	2
		C	2	2	2	2	2	2
		B	2	2	2	2	2	2
		A	4	4	4	4	4	4
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X47LF		E	2	2	2	2	2	2
		D	3	3	3	3	3	3
		C	2	2	2	2	2	2
		B	2	2	2	2	2	2
		A	3	3	3	3	3	3
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X51LF		E	6	6	6	6	6	6
		D	5	5	5	5	5	5
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	7	7	7	7	7	7
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X55LF		E	5	5	5	5	5	5
		D	20	20	20	20	20	20
		C	5	5	5	5	5	5
		B	20	20	20	20	20	20
		A	5	5	5	5	5	5
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X59LF		E	8	8	8	8	8	8
		D	7	7	7	7	7	7
		C	7	7	7	7	7	7
		B	7	7	7	7	7	7
		A	20	20	20	20	20	20
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X40LF		E	2	2	2	2	2	2
		D	2	2	2	2	2	2
		C	2	2	2	2	2	2
		B	4	4	4	4	4	4
		A	2	2	2	2	2	2
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X44LF		E	1	1	1	1	1	1
		D	3	3	3	3	3	3
		C	4	4	4	4	4	4
		B	3	3	3	3	3	3
		A	1	1	1	1	1	1
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X48LF		E	19	19	19	19	19	19
		D	19	19	19	19	19	19
		C	19	19	19	19	19	19
		B	19	19	19	19	19	19
		A	19	19	19	19	19	19
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X52LF		E	6	6	6	6	6	6
		D	8	8	8	8	8	8
		C	8	8	8	8	8	8
		B	7	7	7	7	7	7
		A	8	8	8	8	8	8
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X56LF		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	8	8	8	8	8	8
		B	6	6	6	6	6	6
		A	6	6	6	6	6	6
		METRAL P/N		ROW	CONTACT CODE MOD. I			
89006-X60LF		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	12	12	12	12	12	12
		A	10	10	10	10	10	10

A

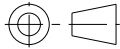
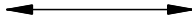
B

C

D

spec ref		*		dr	Terran Huang	2010/07/09	projection 	mm 	size	A4	scale	1:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1					
ISO 406 ISO 1101				chr	-	-			rel level			Released			
				appr	K-Paul Biju	2018/07/13	product family		METRAL						
surface	3.200	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER				dwg no	89006		rev	BM
			0.XX	±0.13											
			0.XXX	±.050											
ISO 1302		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 4 of 9			

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1		
surface	3.200 linear	chr	-	-			rel level	Released		
ISO 1302	angular	appr	K-Paul Biju	2018/07/13	product family	METRAL			rev	BM
TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI		title		METRAL SIGNAL HEADER		dwg no		89006
		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 6 of 9

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1		
		chr	-	-			rel level	Released		
		appr	K-Paul Biju	2018/07/13	product family	METRAL				
surface	3.200linear	0.X	±0.3	Amphenol FCi	title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		dwg no 89006		rev BM	
		0.XX	±0.13							
		0.XXX	±.050							
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 7 of 9		

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METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I													
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6								
89006-X133LF	E	2	2	2	2	2	2	89006-X137LF	E	2	2	2	3	3	2	89006-X141LF	E	1	1	1	1	3	3	89006-X145LF	E	5	5	1	1	7	5	89006-X149LF	E	2	2	2	2	2	1	89006-X153LF	E	2	2	2	2	2	2
	D	2	2	2	2	2	2		D	2	2	2	3	3	2		D	1	1	1	1	3	3		D	5	5	1	1	7	5		D	2	2	2	2	2	2		D	2	2	2	2	2	2
	C	2	2	2	2	2	2		C	2	2	2	3	3	2		C	3	3	3	3	3	3		C	5	5	1	1	7	7		C	2	2	2	2	2	2		C	2	2	2	2	2	2
	B	2	2	2	2	2	2		B	2	2	2	3	3	2		B	1	1	1	1	3	1		B	5	5	1	1	7	5		B	2	2	2	2	2	2		B	2	2	2	2	2	2
	A	2	2	1	2	2	2		A	2	2	2	3	3	2		A	1	1	1	1	3	1		A	5	5	1	1	7	5		A	2	2	2	2	2	2		A	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I																					
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6																
89006-X134LF	E	2	2	2	2	2	2	89006-X138LF	E	2	3	2	2	2	2	89006-X142LF	E	2	2	2	3	3	3	89006-X146LF	E	3	2	2	2	2	1	89006-X150LF	E	2	2	1	2	2	1	89006-X154LF	E	6	6	6	2	2	6
	D	2	2	2	2	2	2		D	2	3	2	2	2	2		D	2	2	2	3	3	3		D	3	2	2	2	2	1		D	2	1	2	2	2	2		D	6	6	6	2	2	6
	C	2	2	3	3	2	2		C	2	3	2	2	2	2		C	2	2	2	3	3	3		C	3	2	2	2	2	1		C	2	2	1	2	2	2		C	6	6	6	6	6	6
	B	2	2	2	2	2	2		B	2	3	2	2	2	2		B	2	2	2	3	3	3		B	3	2	2	2	2	1		B	2	2	2	2	2	2		B	6	6	6	2	2	6
	A	2	2	2	2	2	2		A	2	2	2	2	2	3		A	2	2	2	3	3	3		A	3	2	2	2	2	1		A	3	2	2	2	2	2		A	6	6	6	2	2	6

METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I																						
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6																	
89006-X135LF	E	2	3	2	2	2	2	89006-X139LF	E	5	9	5	1	6	6	1	89006-X143LF	E	3	1	3	1	3	3	89006-X147LF	E	1	1	1	1	1	1	89006-X151LF	E	1	2	2	2	2	2	89006-X155LF	E	2	2	6	6	6	6
	D	2	3	2	2	2	2		D	5	9	5	1	6	6	1		D	3	1	3	1	3	3		D	1	1	1	1	1	1		D	2	2	2	2	2	2		D	2	2	6	6	6	6
	C	2	3	2	2	2	2		C	5	9	5	1	6	6	1		C	3	3	3	1	3	3		C	3	3	3	3	3	3		C	2	2	2	2	2	2		C	6	6	6	6	6	6
	B	2	3	2	2	2	2		B	5	9	5	1	6	6	1		B	3	1	3	1	3	3		B	1	1	1	1	1	1		B	2	2	2	2	2	2		B	2	2	6	6	6	6
	A	2	2	2	2	2	2		A	5	9	5	1	6	6	1		A	3	1	3	1	3	3		A	1	1	1	1	1	1		A	2	2	2	2	2	2		A	2	2	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I																					
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6																
89006-X136LF	E	2	3	2	3	2	2	89006-X140LF	E	1	1	1	1	1	1	89006-X144LF	E	7	5	5	5	5	5	89006-X148LF	E	8	6	6	6	6	6	89006-X152LF	E	2	2	2	2	2	2	89006-X156LF	E	3	3	3	4	4	4
	D	2	3	2	3	2	2		D	1	1	1	1	3	1		D	7	5	5	5	5	5		D	8	6	6	6	6	6		D	2	2	2	2	2	2		D	3	3	3	4	4	4
	C	2	3	2	3	2	2		C	1	1	1	1	1	1		C	7	5	5	5	5	5		C	8	6	6	6	5	8		C	2	2	2	2	2	2		C	3	3	3	4	4	4
	B	2	3	2	3	2	2		B	1	1	1	1	1	1		B	7	5	5	5	5	5		B	8	6	6	6	6	6		B	2	2	2	2	2	2		B	3	3	3	4	4	4
	A	2	3	2	3	2	2		A	1	1	1	1	1	1		A	7	5	5	5	5	5		A	8	6	6	6	6	6		A	3	3	3	3	3	3		A	3	3	3	4	4	4

spec ref	*	dr	Terran Huang	2010/07/09	projection	mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Narayanan, Aru	2018/07/12			ecn no	ELX-I-30699-1		
surface	3.200 linear ISO 1302	chr	-	-			rel level	Released		
		appr	K-Paul Biju	2018/07/13	product family	METRAL			rev	
		Amphenol FCI			title	METRAL SIGNAL HEADER			dwg no	89006
		www.fci.com			cat. no.	-			Product - Customer Drw	
									sheet	8 of 9

PRODUCT NUMBER

89006-XYLFF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.

2. BODY MATERIAL: LIQUID CRYSTAL

POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.3. PIN MATERIAL:
PHOSPHOR BRONZE.

4. PLATING ON PRESS-FIT TAIL:

73931-XYLFF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE BELOW.5. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN
SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES.
IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P"
WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE: XXXXX-XXXP7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073(8) AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.(9) THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-47-0004.ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING
(DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE
TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR
VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1---
AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT
SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR
NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

10. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE)

(11) A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-N1YY	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

spec ref		*		dr		Terran Huang		2010/07/09		projection				size		A4		scale		1:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Narayanan, Aru		2018/07/12						ecn no		ELX-I-30699-1													
ISO 406				chr		-		-																					
ISO 1101				appr		K-Paul Biju		2018/07/13						product family		METRAL		rel level						Released					
surface		3.200 linear		0.X		±0.3		Amphenol FCI		title		METRAL SIGNAL HEADER		dwg no		89006		rev		BM									
		0.XX		±0.13																									
		0.XXX		±.050																									
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 9 of 9													