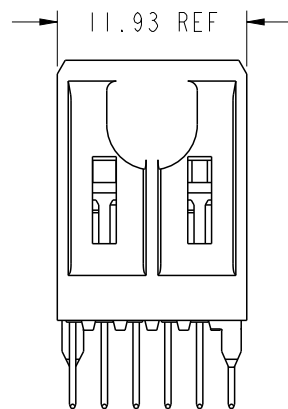
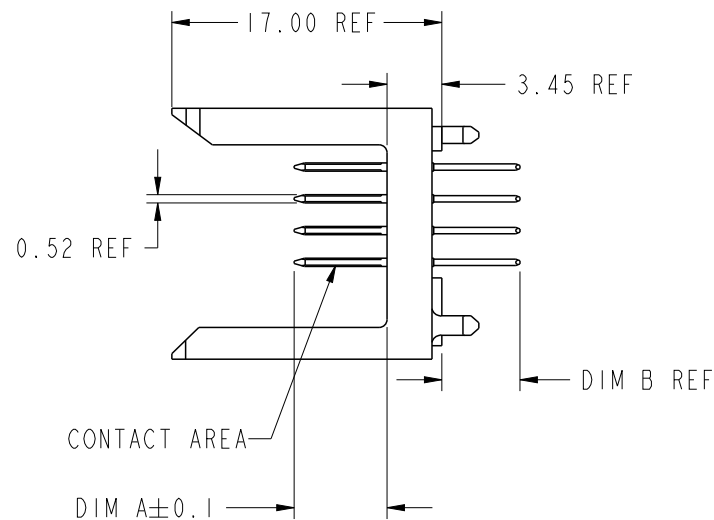
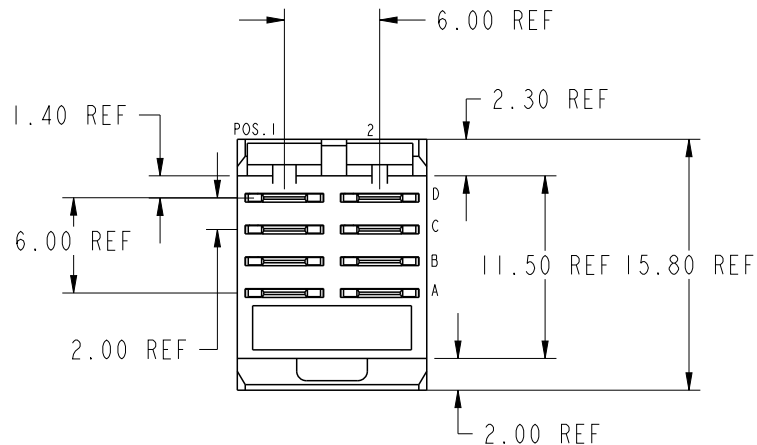


PRODUCT NUMBER

88960-XYLFF



PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 8
-2YYLF	TELECOM CLASS	SEE NOTE 8
-5YYLF	TELCORDIA UE	SEE NOTE 8

spec ref				dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	21:10			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jibin John	2015/08/26			ecn no	ELX-I-21765-1					
				chr	-	-									
				appr	K-Paul Biju	2015/08/31			product family		METRAL		rel level	Released	
surface	3/2	linear	0.X	±0.3		title	METRAL POWER HEADER				dwg no	88960		rev	V
		0.XX	±0.13												
		0.XXX	±0.051												
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 5				

Print File - REV C - 2009-06-09

PDS: Rev :V

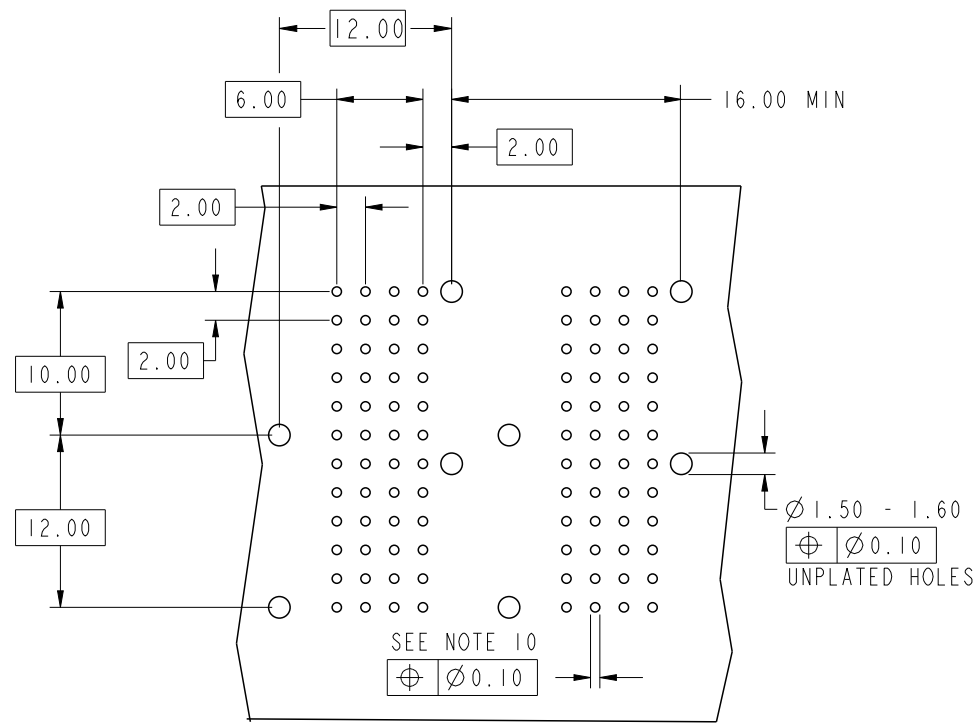
STATUS:Released

Printed: Sep 01, 2015



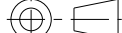
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KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	6.50	4.25
2	7.25	4.25
3	8.00	4.25
4	5.00	4.25
5	5.75	4.25
6	6.50	2.65
7	7.25	2.65
8	8.00	2.65
11	5.00	3.30
12	5.75	3.30
13	6.50	3.30
14	7.25	3.30
15	8.00	3.30



REQUIRED PC BOARD LAYOUT COMPONENT SIDE

- NOTES:
- FOR DIM A AND B SEE SHEET 2 AND UP.
 - BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
 - PIN MATERIAL:
PHOSPHOR BRONZE.
 - PLATING ON PRESS-FIT TAIL:
88960-XYLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
 - PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
 - 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-XXXPLF
 - PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
 - 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 WILL WITHSTAND EXPOSURE TO 260°C FOR
60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE
REFLOW OVEN.
- (10) FOR PLATED THROUGH HOLE(PTH) DIMENSIONS AND ADDITIONAL
PCB INFORMATION,REFER SHEET 5

spec ref				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	21:10						
tolerance std ISO406 ISO1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Jibin John	2015/08/26			ecn no	ELX-I-21765-1								
				chr	-	-												
				appr	K-Paul Biju	2015/08/31							product family		METRAL		rel level	Released
surface 3/2 ISO 1302	linear	0.X	±0.3		title	METRAL POWER HEADER 1 MOD, 4 ROW STB				dwg no	88960		rev	V				
		0.XX	±0.13															
		0.XXX	±0.051															
angular		0°	±2°	www.fci.com		cat. no.	-		Product - Customer Drw				sheet 2 of 5					



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METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X01LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X06LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X11LF	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X26LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X35LF	D	P13	P13
	C	P13	P13
	B	P14	P14
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X02LF	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X07LF	D	P02	P02
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X12LF	D	P01	P01
	C	P05	P05
	B	P05	P05
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X31LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X36LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X03LF	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X08LF	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X13LF	D	P05	P05
	C	P05	P05
	B	P02	P02
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X32LF	D	P13	P13
	C	P14	P14
	B	P15	P15
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X37LF	D	P14	P14
	C	P15	P15
	B	P15	P15
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X04LF	D	P03	P03
	C	P02	P02
	B	P02	P02
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X09LF	D	P01	P01
	C	P03	P03
	B	P01	P01
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X14LF	D	P05	P05
	C	P05	P05
	B	P05	P05
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X33LF	D	P13	P13
	C	P13	P13
	B	P15	P15
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X38LF	D	P15	P15
	C	P15	P15
	B	P15	P15
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X05LF	D	P01	P01
	C	P01	P01
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X10LF	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X15LF	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X34LF	D	P15	P15
	C	P14	P14
	B	P14	P14
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		I	2
88960-X39LF	D	P13	P13
	C	P15	P15
	B	P13	P13
	A	P15	P15

spec ref		dr Terran Huang		2010/07/08		projection		size A4		scale 2:1:10	
tolerance std		eng Jibin John		2015/08/26				mm		ecn no ELX-I-21765-1	
ISO406 ISO1101		chr -		-							
surface 3.2		appr K-Paul Biju		2015/08/31		product family METRAL		rel level Released			
linear		0.X ±0.3				title METRAL POWER HEADER		dwg no 88960		rev V	
		0.XX ±0.13									
		0.XXX ±0.051									
angular		0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 3 of 5	



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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X40LF	D	P11	P11
	C	P11	P11
	B	P11	P11
	A	P11	P11

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X41LF	D	P11	P11
	C	P11	P11
	B	P11	P11
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X42LF	D	P12	P12
	C	P12	P12
	B	P12	P12
	A	P12	P12

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X43LF	D	P14	P14
	C	P14	P14
	B	P14	P14
	A	P14	P14

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X44LF	D	P13	P13
	C	P12	P12
	B	P12	P12
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X45LF	D	P12	P12
	C	P12	P12
	B	P14	P14
	A	P12	P12

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X56LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P14	P14

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X61LF	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X62LF	D	P06	P06
	C	P07	P07
	B	P08	P08
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X63LF	D	P06	P06
	C	P06	P06
	B	P08	P08
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X64LF	D	P08	P08
	C	P07	P07
	B	P07	P07
	A	P06	P06

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X65LF	D	P06	P06
	C	P06	P06
	B	P07	P07
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X66LF	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X67LF	D	P07	P07
	C	P08	P08
	B	P08	P08
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X68LF	D	P08	P08
	C	P08	P08
	B	P08	P08
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X69LF	D	P06	P06
	C	P08	P08
	B	P06	P06
	A	P08	P08

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X86LF	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P07	P07

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X87LF	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P02	P02

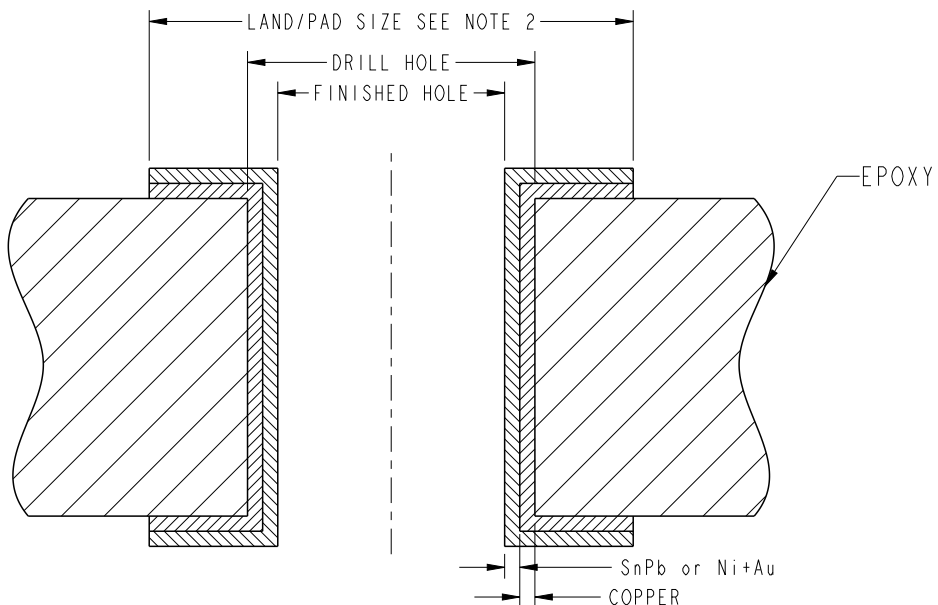
METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X88LF	D	P03	P03
	C	P03	P03
	B	P02	P02
	A	P02	P02

spec ref		dr Terran Huang		2010/07/08		projection		mm		size A4		scale 21:10	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Jibin John		2015/08/26				ecn no ELX-I-21765-1		rel level Released	
ISO406				chr -		-							
ISO1101				appr K-Paul Biju		2015/08/31							
surface		linear		0.X ±0.3				title METRAL POWER HEADER		dwg no 88960		rev V	
		0.XX ±0.13											
		0.XXX ±0.051											
ISO 1302		angular		0° ±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 5	



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IMMERSION Sn	IMMERSION Ag	HOLE PLATING	TIN LEAD	GOLD	COPPER
0.70-0.80	0.70-0.80	HOLE DIAMETER AFTER PLATING	0.65-0.80	0.69-0.80	0.70-0.80
0.81-0.86(0.85 DRILL)	0.81-0.86(0.85 DRILL)	DRILLED HOLE	0.81-0.86(0.85 DRILL)	0.81-0.86(0.85 DRILL)	0.81-0.86(0.85 DRILL)
0.025-0.05	0.025-0.05	COPPER PLATING(SEE NOTE 1)	0.025-0.05	0.025-0.05	0.025-0.05
-	-	TIN PLATING	0.005-0.015	-	-
-	-	NICKEL PLATING	-	0.003-0.007	-
-	-	GOLD PLATING	-	FLASH UP TO 0.0002	-
0.9-1.5µm	-	IMMERION Sn	-	-	-
-	0.15-0.65µm	IMMERSION Ag	-	-	-



PLATED THROUGH HOLE SPECIFICATIONS
FOR PRINTED CIRCUIT BOARDS

NOTES:

1. COPPER PLATING THICKNES IN MIDDLE OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS
2. RECOMMENDED LAND/PAD SIZE IS 1.17mm

spec ref				dr		Terran Huang	2010/07/08		projection				size		A4		scale		21:10																												
tolerance std ISO406 ISO1101				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Jibin John		2015/08/26						ecn no ELX-I-21765-1																													
								chr		-		-																																			
								appr		K-Paul Biju		2015/08/31										product family				METRAL				rel level Released																	
surface 3.2 				linear				0.X ±0.3				0.XX ±0.13				0.XXX ±0.051								title METRAL POWER HEADER I MOD, 4 ROW STB				dwg no 88960				rev V															
ISO 1302				angular				0°				±2°				www.fci.com				cat. no.				-				Product - Customer Drw				sheet 5 of 5															

Mouser Electronics

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