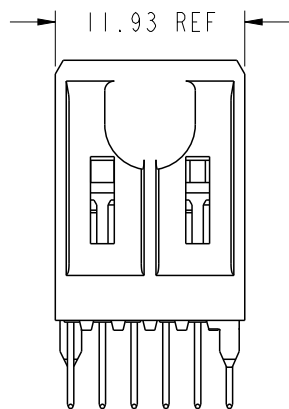
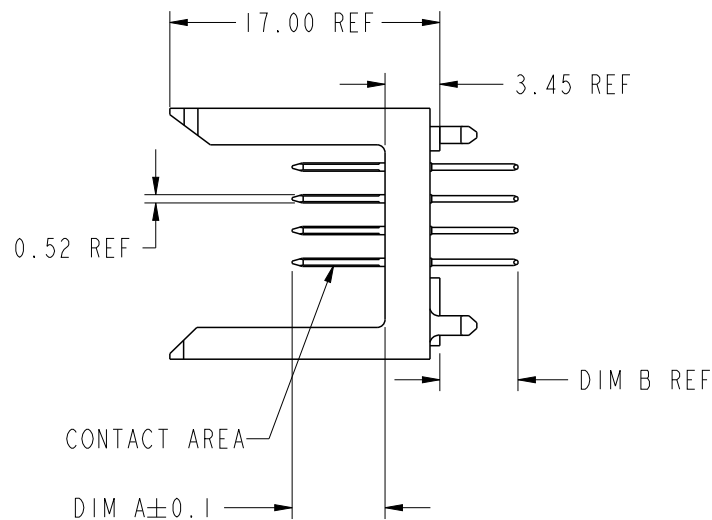
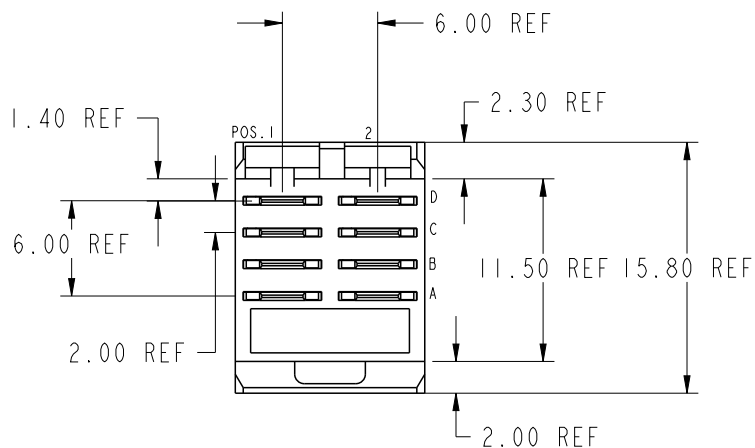


PRODUCT NUMBER
88960-XYLFF



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		size A4		scale 21:10			
tolerance std ISO406 ISO1101		eng Jibin John		2015/08/26				mm		ecn no ELX-I-21765-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -		-				← →		rel level Released			
surface $\sqrt{3.2}$		appr K-Paul Biju		2015/08/31		product family METRAL		rev		88960			
ISO 1302		linear		0.X ±0.3				title		METRAL POWER HEADER			
				0.XX ±0.13				cat. no.		-		Product - Customer Drw	
		angular		0° ±2°				www.fci.com		-		sheet 1 of 5	
				0.XXX ±0.051		www.fci.com		cat. no.		-			
				0° ±2°		www.fci.com		cat. no.		-			

PrdE File - REV C - 2009-06-09

A

B

C

D

A

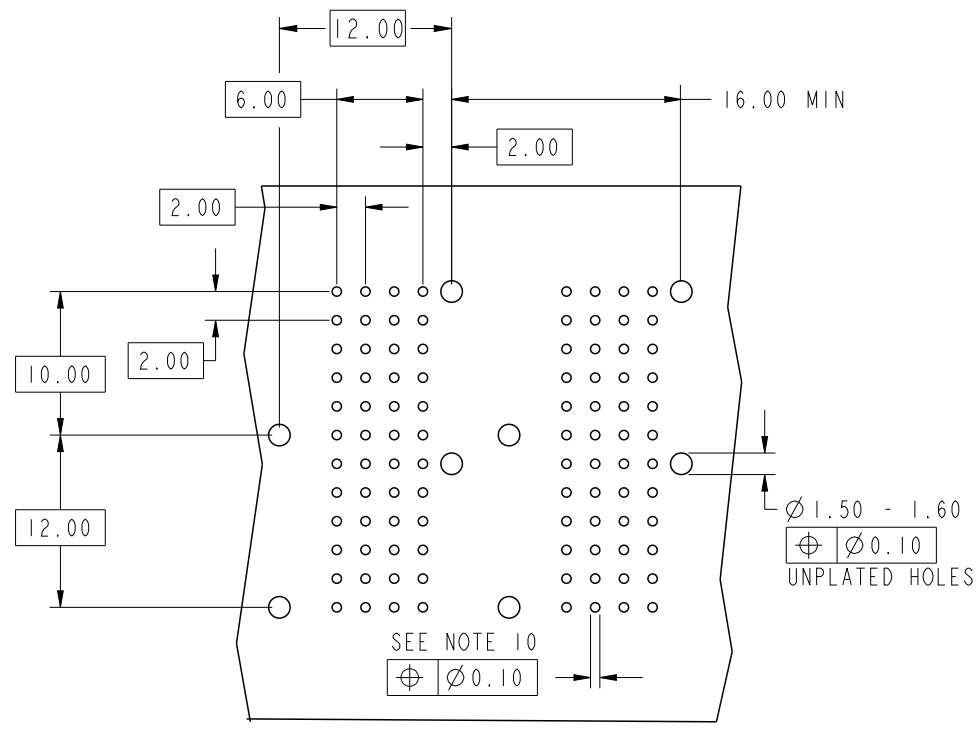
B

C

D

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-XYLFF 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.
- FOR PLATED THROUGH HOLE (PTH) DIMENSIONS AND ADDITIONAL PCB INFORMATION, REFER SHEET 5



REQUIRED PC BOARD LAYOUT COMPONENT SIDE

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

spec ref		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1:10
tolerance std		eng	Jibin John	2015/08/26			ecn no	ELX-I-21765-1		
ISO406 ISO1101		chr	-	-			rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	K-Paul Biju	2015/08/31	product family		METRAL		rev	
surface $\sqrt{3.2}$	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°	$\pm 2^\circ$		cat. no.	-	Product - Customer Drw		sheet 2 of 5	



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METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X01LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X06LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X11LF	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X26LF	D	P01	P01
	C	P01	P01
	B	P01	P01
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X35LF	D	P13	P13
	C	P13	P13
	B	P14	P14
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X02LF	D	P01	P01
	C	P02	P02
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X07LF	D	P02	P02
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X12LF	D	P01	P01
	C	P05	P05
	B	P05	P05
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X31LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X36LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X03LF	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X08LF	D	P03	P03
	C	P03	P03
	B	P03	P03
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X13LF	D	P05	P05
	C	P05	P05
	B	P02	P02
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X32LF	D	P13	P13
	C	P14	P14
	B	P15	P15
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X37LF	D	P14	P14
	C	P15	P15
	B	P15	P15
	A	P15	P15

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X04LF	D	P03	P03
	C	P02	P02
	B	P02	P02
	A	P01	P01

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X09LF	D	P01	P01
	C	P03	P03
	B	P01	P01
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X14LF	D	P05	P05
	C	P05	P05
	B	P05	P05
	A	P05	P05

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X33LF	D	P13	P13
	C	P13	P13
	B	P15	P15
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X38LF	D	P15	P15
	C	P15	P15
	B	P15	P15
	A	P15	P15

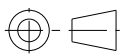
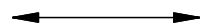

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X05LF	D	P01	P01
	C	P01	P01
	B	P02	P02
	A	P03	P03

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X10LF	D	P04	P04
	C	P04	P04
	B	P04	P04
	A	P04	P04

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X15LF	D	P02	P02
	C	P02	P02
	B	P02	P02
	A	P02	P02

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X34LF	D	P15	P15
	C	P14	P14
	B	P14	P14
	A	P13	P13

METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	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		scale							
tolerance std		eng Jibin John		2015/08/26				A4		21:10							
ISO406 ISO1101		chr -		-				ecn no		ELX-I-21765-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr K-Paul Biju		2015/08/31		product family		METRAL		rel level		Released					
surface $\sqrt{3.2}$		linear		0.X		±0.3						title METRAL POWER HEADER 1 MOD, 4 ROW STB		dwg no 88960		rev V	
ISO 1302		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-X45LF	D	P12	P12
	C	P12	P12
	B	P14	P14
	A	P12	P12

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-X69LF	D	P06	P06
	C	P08	P08
	B	P06	P06
	A	P08	P08

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-X56LF	D	P13	P13
	C	P13	P13
	B	P13	P13
	A	P14	P14

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-X86LF	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P07	P07

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-X61LF	D	P06	P06
	C	P06	P06
	B	P06	P06
	A	P06	P06

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-X87LF	D	P01	P01
	C	P01	P01
	B	P03	P03
	A	P02	P02

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-X62LF	D	P06	P06
	C	P07	P07
	B	P08	P08
	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-X88LF	D	P03	P03
	C	P03	P03
	B	P02	P02
	A	P02	P02

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

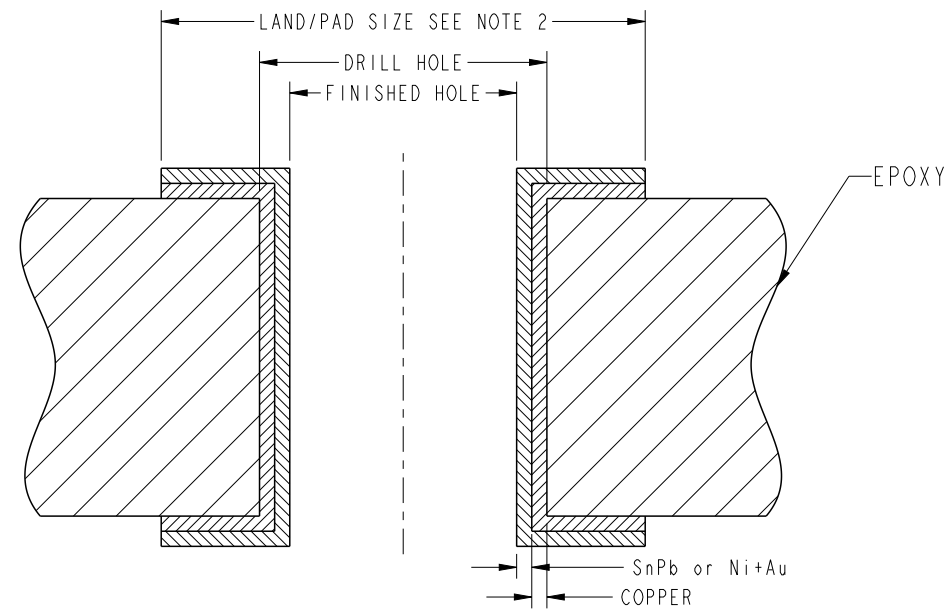
METRAL P/N	ROW	CONTACT CODE MOD. I	
		1	2
88960-X63LF	D	P06	P06
	C	P06	P06
	B	P08	P08
	A	P06	P06

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

spec ref		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1:10
tolerance std ISO406 ISO1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Jibin John	2015/08/26			ecn no	ELX-I-21765-1		
		chr	-	-			rel level	Released		
surface $\sqrt{3.2}$ ISO 1302	linear	0.X	± 0.3	FCI	product family	METRAL	dwg no	88960	rev	V
		0.XX	± 0.13							
	angular	0°	$\pm 2^\circ$	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



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