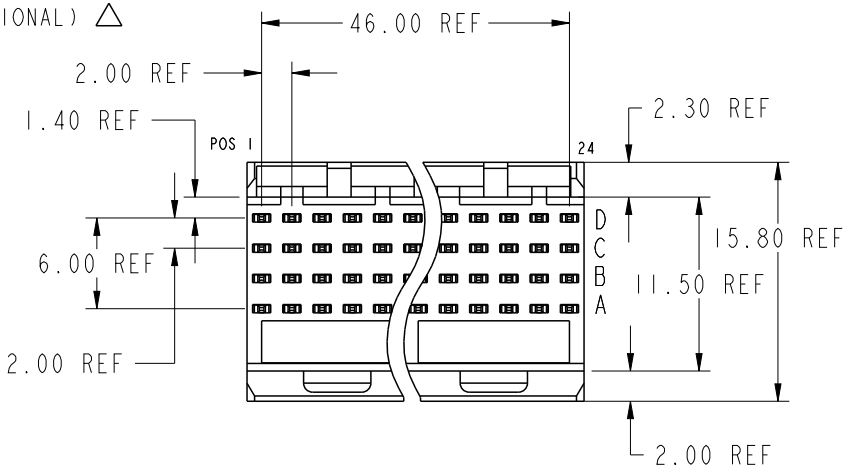
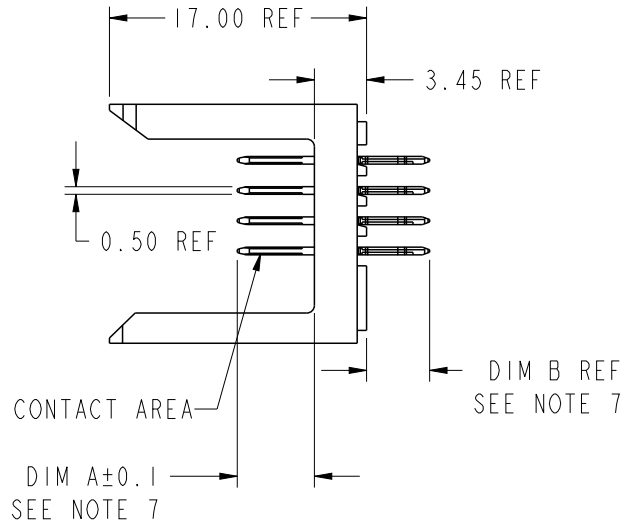
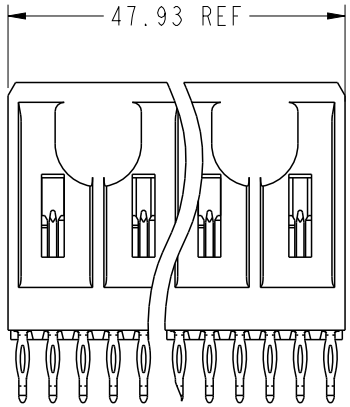
PRODUCT NUMBER
70299-XYY(L)LF

L REFER LUBRICATED (OPTIONAL) △
SEE NOTE 3

X REFER PLATING PERFORMANCE
SEE NOTE 3 △







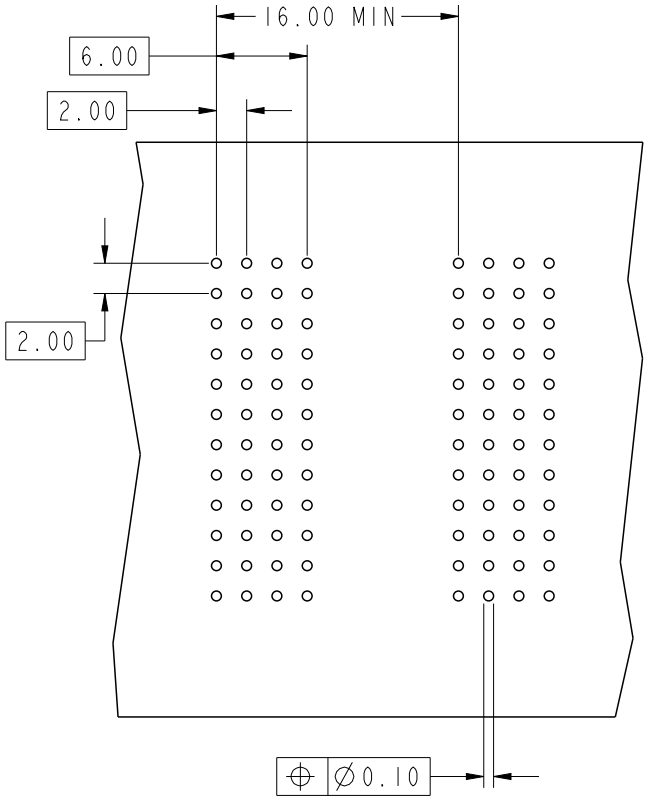
spec ref	*			dr	Terran Huang	2010/07/09	projection	MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/08/17		
ISO 406 ISO 1101				chr	-	-		
				appr	Kuriakose, San	2021/08/17	product family	METRAL
surface 3.200	linear	0.X	±0.3	Amphenol FCi	title	METRAL SIGNAL HEADER	dwg no	70299
		0.XX	±0.13			4 MOD, 4 ROW PRESS-FIT		
		0.XXX	±0.050					
ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 1 of 13

size	scale	rev
A4	11:10	CC
ecn no	ELX-I-41709-1	
rel level	Released	

Creo File:ELX-MC-A4C,REV F,2020-12-21

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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
11	6.50	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
22	5.00	12.10
45	6.50	12.10

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

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.
2. MATERIAL : BODY : THERMOPLASTIC UL94-V0.
   : CONTACT : COPPER ALLOY.
3. FOR PLATING PERFORMANCE REFER DRAWING # 10159408.
4. 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
5. PRODUCT SPECIFICATION: GS-12-180
6. APPLICATION SPECIFICATION: BUS-20-073
7. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
8. THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
9. ALL PRODUCTSWILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. THE 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 △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	*			dr	Terran Huang	2010/07/09	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/08/17	MM
ISO 406 ISO 1101				chr	-	-	size A4 / scale 1:10
				appr	Kuriakose, San	2021/08/17	ecn no ELX-I-41709-1
surface 3.200 ISO 1302	linear	0.X	±0.3				product family METRAL / rel level Released
		0.XX	±0.13				
		0.XXX	±0.050				
	angular	0°	±2°				

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev CC

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 2 of 13

Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X01LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X02LF	D	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	C	1	-	-	-	1	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
	B	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	A	1	-	1	-	1	-	-	-	1	-	1	-	3	-	3	-	1	-	1	-	1	-	1	-

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X03LF	D	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1
	C	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X04LF	D	7	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X05LF	D	7	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X06LF	D	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5
	B	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5
	A	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X07LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	20	20	20	5	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X08LF	D	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	C	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	B	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7
	A	7	7	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X09LF	D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X10LF	D	-	1	-	1	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	C	1	-	-	1	1	-	-	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-	1	-
	B	-	1	-	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1	-	1	-	1	-	1
	A	1	-	1	-	1	-	-	-	1	-	1	-	3	-	3	-	1	-	1	-	1	-	1	-

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/08/17		
		chr	-	-		
		appr	Kuriakose, San	2021/08/17	product family	METRAL

size	A4	scale 1:10
ecn no	ELX-I-41709-1	
rel level	Released	

surface 3.200 ISO 1302	linear 0.X	±0.3
	0.XX	±0.13
	0.XXX	±0.050
	angular 0°	±2°

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299

rev CC

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 3 of 13

Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X11LF	D	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X12LF	D	3	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2
	C	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	3	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X13LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X14LF	D	6	5	5	5	5	5	5	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X15LF	D	7	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	6	6	6	6	6
	C	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X16LF	D	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X17LF	D	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X18LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X19LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X20LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
	C	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2
	B	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2
	A	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2

spec ref	*		
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	
surface	3.200	linear	0.X ±0.3
			0.XX ±0.13
			0.XXX ±0.050
	ISO 1302	angular	0° ±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 4 of 13

Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X21LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X22LF	D	4	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X23LF	D	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	C	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X24LF	D	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	C	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	B	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19
	A	19	19	1	3	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X25LF	D	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	
	C	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	
	B	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	
	A	19	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	19	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X26LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	2	4	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X27LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	2	4	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X28LF	D	2	2	2	2	2	2	3	4	2	2	2	2	3	2	4	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X29LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X30LF	D	4	4	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406 ISO 1101			
surface 3.200	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
ISO 1302	angular	0°	±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 5 of 13

Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X31LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X32LF	D	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	C	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X33LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3
	A	3	3	3	3	3	3	3	4	4	4	4	4	3	4	3	3	3	3	-	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X34LF	D	3	3	-	3	3	-	3	3	-	-	3	3	-	3	3	-	3	3	3	3	3	3	3	3
	C	3	3	-	3	3	-	3	3	-	-	3	3	-	3	3	-	3	3	3	3	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X35LF	D	6	6	6	6	8	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	6	6	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X36LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	3	3	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X37LF	D	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X38LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5	7	7	5	7	7	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X39LF	D	4	3	1	1	1	1	1	1	1	1	1	4	-	-	-	1	1	2	1	1	-	1	-	4
	C	4	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	2	3	1	1	-	1	-	4
	B	4	2	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	1	1	1	-	1	-	4
	A	4	3	1	1	1	1	1	1	1	1	1	-	-	-	1	-	-	1	1	1	-	1	-	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X40LF	D	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	11	9	9	9
	B	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	11	11	9	9	9
	A	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	21	9	21	9	11	11

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406 ISO 1101			
surface 3.200	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
ISO 1302	angular	0°	±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 6 of 13

Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X41LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	3	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	3	3	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	19	1	19	1	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X42LF	D	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	C	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	B	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3
	A	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X43LF	D	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X44LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X45LF	D	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	C	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	B	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	A	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X46LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	C	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X47LF	D	3	3	3	3	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1
	C	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X48LF	D	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	C	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	B	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5
	A	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X49LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X50LF	D	6	6	6	6	6	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	6	6	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

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Amphenol FCi

spec ref	*	dr	Terran Huang 2010/07/09
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M 2021/08/17
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	- -
		appr	Kuriakose, San 2021/08/17
surface	3.200 ISO 1302	linear	0.X ±0.3
			0.XX ±0.13
			0.XXX ±0.050
		angular	0° ±2°

projection | MM | product family METRAL

size	A4
scale	1:10
ecn no	ELX-I-41709-1
rel level	Released

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299

rev CC

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PDS: Rev :CC STATUS:Released Printed: Aug 17, 2021

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X51LF	D	19	2	3	2	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	C	19	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	B	19	3	3	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	19	3	1	3	3	3	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X52LF	D	19	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X53LF	D	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3
	A	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X54LF	D	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	19	
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	19	
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	
	A	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X55LF	D	19	3	3	3	3	3	3	3	3	1	19		7	7	7	7	7	7	7	7	7	7	7	7
	C	19	3	3	3	3	3	3	3	3	2	19		7	7	7	7	7	7	7	7	7	7	7	7
	B	19	3	3	3	3	3	3	3	3	3	19		7	7	7	7	7	7	7	7	7	7	7	7
	A	19	3	3	3	3	3	3	3	3	3	19		7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X56LF	D	19	3	3	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	2	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X57LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X58LF	D	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5
	C	7	5	7	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	5	5	5	5	5	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X59LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X60LF	D	7	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5
	C	7	5	7	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	5	5	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	A	5	5	5	5	5	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406 ISO 1101			
surface 3.200	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
ISO 1302	angular	0°	±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

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Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X61LF	D	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	7	7	7	7	7	7	7	7	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X62LF	D	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	C	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	7	5	5	5	5	5	7	5	7	7	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X63LF	D	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	C	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	B	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7
	A	7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X64LF	D	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3
	C	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3
	B	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3
	A	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X65LF	D	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	C	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	-	1	1	1	1	1	1	1	1
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X66LF	D	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	-	1	3	3	3	3	3	1	3	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X67LF	D	19	2	3	2	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X68LF	D	1	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	-	1	3	3	3	3	3	1	3	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X69LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X70LF	D	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	B	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406 ISO 1101			
surface 3.200	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
ISO 1302	angular	0°	±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

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Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X71LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1
	A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X72LF	D	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	C	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	B	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3
	A	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X73LF	D	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3
	C	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3
	B	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3
	A	2	2	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X74LF	D	1	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	B	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1
	A	1	1	1	1	1	-	1	2	2	2	2	2	1	2	1	1	1	1	-	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X75LF	D	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	6	6	6	6	6
	C	7	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X76LF	D	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X77LF	D	11	11	5	11	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	11	11	11	11	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	B	11	11	11	11	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	A	11	11	11	11	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X78LF	D	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	-
	C	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	4	3	3	3	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	-
	A	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X79LF	D	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3
	C	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	-	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X80LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	4	3	-	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	3	4	3	-	-
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	4	-	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	4	-	3	3

spec ref	*		
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	
surface	3.200	linear	0.X ±0.3
	ISO 1302		0.XX ±0.13
			0.XXX ±0.050
		angular	0° ±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | size A4 | scale 1:10

ecn no ELX-I-41709-1

product family METRAL | rel level **Released**

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299 | rev **CC**

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Creo File:ELX-MC-A4C,REV F,2020-12-21

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X81LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X82LF	D	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X83LF	D	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6	-	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X84LF	D	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3
	C	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4	4	4	-	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X85LF	D	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	-
	C	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	4	3	3	3	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	-
	A	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X86LF	D	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3
	C	3	3	-	3	3	-	3	3	-	3	3	3	-	3	3	-	3	3	3	4	3	3	3	3
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X87LF	D	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-
	C	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-
	B	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-
	A	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X88LF	D	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	C	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	B	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5
	A	5	7	6	6	6	6	6	6	6	6	6	6	5	7	6	6	6	6	6	6	6	6	7	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X89LF	D	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	C	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	B	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	A	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X90LF	D	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	C	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	B	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7
	A	6	6	6	6	6	6	7	6	6	6	6	7	6	6	6	6	6	6	6	6	6	7	7	7

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Amphenol FCi

spec ref	*		
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	
surface	3.200	linear	0.X ±0.3
	ISO 1302		0.XX ±0.13
			0.XXX ±0.050
		angular	0° ±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | product family: METRAL

size	A4
scale	1:10
ecn no	ELX-I-41709-1
rel level	Released

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no: 70299

rev: CC

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X91LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X92LF	D	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X93LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X94LF	D	3	3	3	3	19	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X95LF	D	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	C	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	B	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3
	A	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	19	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X96LF	D	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X97LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X98LF	D	45	45	22	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	45	45	45	45	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X99LF	D	7	7	22	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	C	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	B	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	A	7	7	7	7	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X100LF	D	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	19	19	2	3	2	2	2	19
	C	2	1	1	2	2	2	2	2	2	2	1	2	2	2	2	2	19	19	2	3	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	19	19	2	3	2	2	2	19
	A	1	2	1	1	1	2	2	2	2	1	2	2	2	2	2	2	19	19	2	3	2	2	2	19

spec ref	*		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ISO 406 ISO 1101			
surface 3.200	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
ISO 1302	angular	0°	±2°

dr	Terran Huang	2010/07/09
eng	Rahul Mohan-M	2021/08/17
chr	-	-
appr	Kuriakose, San	2021/08/17

projection

MM

product family METRAL

size A4 | scale 1:10

ecn no ELX-I-41709-1

rel level **Released**

Amphenol FCi

title METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no 70299

rev CC

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METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X101LF	D	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2	2	19	19	2	3	2	2	2	19
	C	2	2	2	1	1	2	2	1	2	2	1	2	2	2	2	2	19	19	2	3	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	19	2	2	2	2	2	2	19	19	2	3	2	2	2	19
	A	2	2	1	2	1	2	2	2	2	1	2	2	2	2	2	2	19	19	2	3	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X102LF	D	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	3	3	2	2	2	2	1
	C	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	3	3	2	2	2	2	1
	B	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	3	3	2	2	2	2	1
	A	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	3	3	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2						MOD. 3						MOD. 4					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
70299-X103LF	D	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	B	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3
	A	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3

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spec ref	*		
tolerance std	ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED	
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			0.XX ±0.13
			0.XXX ±0.050
	ISO 1302	angular	0° ±2°

dr	Terran Huang	2010/07/09
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chr	-	-
appr	Kuriakose, San	2021/08/17

projection | MM | product family: METRAL

size: A4 | scale: 1:1.0 | ecn no: ELX-I-41709-1 | rel level: Released

Amphenol FCi

title: METRAL SIGNAL HEADER
4 MOD, 4 ROW PRESS-FIT

dwg no: 70299 | rev: CC

amphenol-icc.com | cat. no. - | Product - Customer Drw | sheet 13 of 13

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