

A

B

C

D

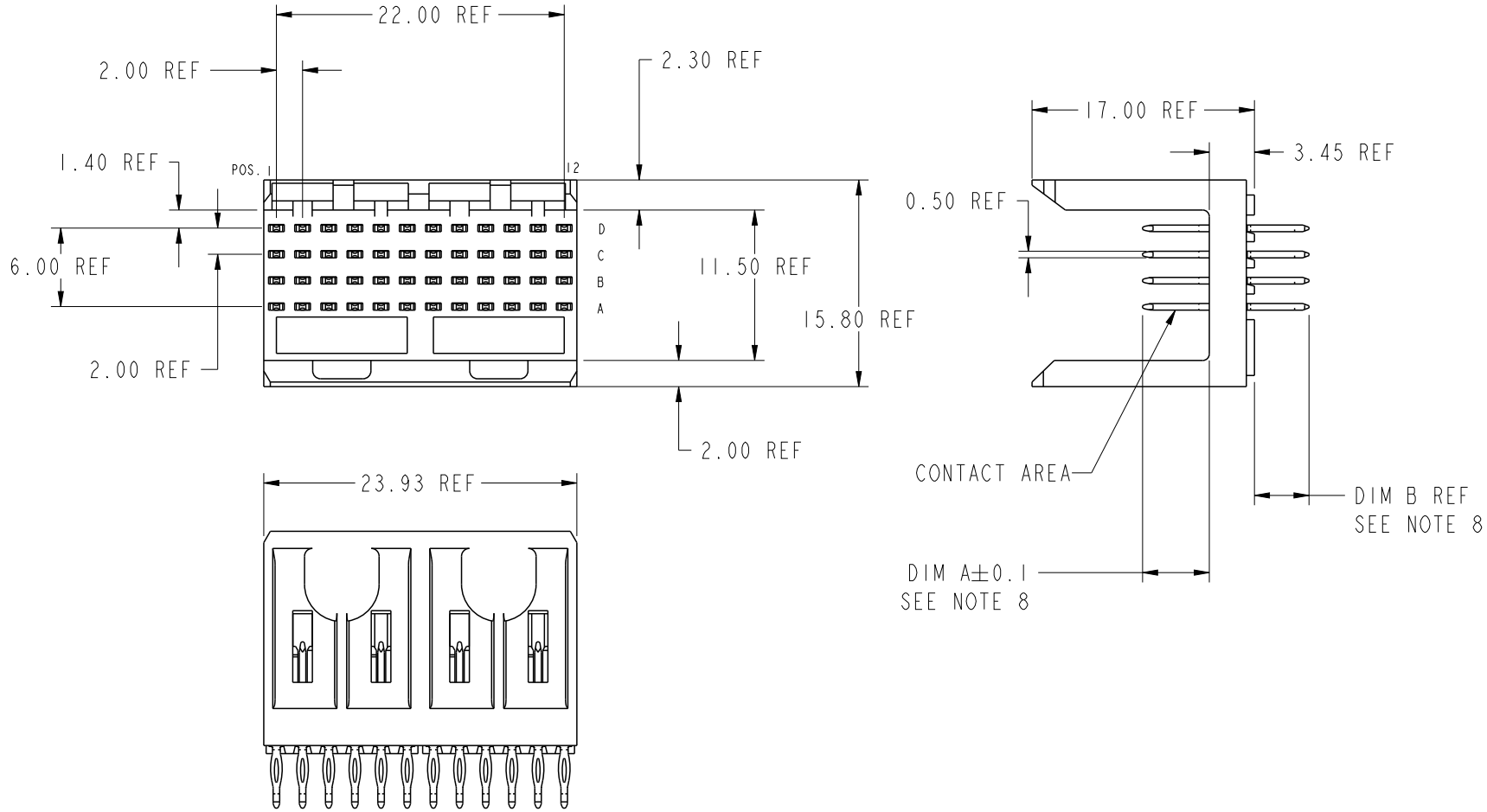
A

B

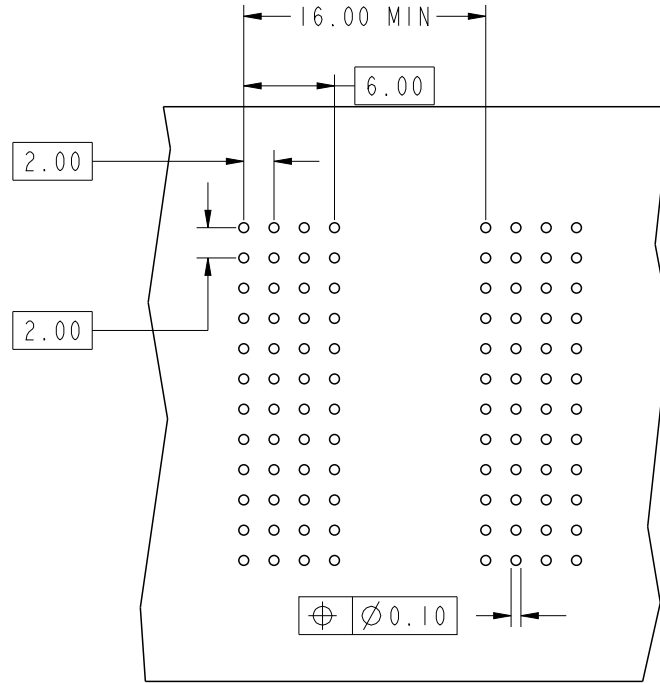
C

D

PRODUCT NUMBER
70233-XYLFF



spec ref *		dr Terran Huang 2010/07/09		projection 	MM ←→	size A4	scale 2:1
tolerance std ISO 406 ISO 1101		eng Narayanan, Aru 2018/12/11				ecn no ELX-I-32121-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -				rel level Released	
surface		appr K-Paul Biju 2018/12/11		product family METRAL		rev	
ISO 1302	linear	0.X	±0.3	Amphenol FCI title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT cat. no. * Product - Customer Drw		70233	
		0.XX	±0.13			AJ	
		0.XXX	±0.051				
	angular	0°	±2°	sheet 1 of 10			



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

spec ref *		dr	Terran Huang	2010/07/09	projection 	MM 	size	A4	scale	2:1
tolerance std		eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1		
ISO 406 ISO 1101		chr	-	-				rel level	Released	
surface		appr	K-Paul Biju	2018/12/11	product family		METRAL		rev	
ISO 1302	linear	0.X	±0.3		Amphenol FCi	METRAL SIGNAL HEADER		dwg no	70233	
		0.XX	±0.13							
		0.XXX	±0.051							
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 2 of 10	

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X10LF	D	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X11LF	D	1	1	1	1	1	1	1	1
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X12LF	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X13LF	D	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X14LF	D	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X15LF	D	3	3	3	3	3	3	3	3
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X16LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X17LF	D	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X18LF	D	3	3	3	3	3	3	3	3
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X19LF	D	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X20LF	D	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X21LF	D	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X22LF	D	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X23LF	D	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X24LF	D	8	8	8	8	8	8	8	8
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	8	8	8	8	8	8	8	8

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11				ecn no				ELX-I-32121-1
ISO 406 ISO 1101		chr	-	-				rel level				Released
surface	linear	appr	K-Paul Biju	2018/12/11	product family		METRAL		rev		AJ	
ISO 1302	angular	Amphenol FCI		METRAL SIGNAL HEADER			dwg no		70233			
	0.X ±0.3 0.XX ±0.13 0.XXX ±0.051	cat. no.			-		Product - Customer Drw		sheet 3 of 10			
	0° ±2°											

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X25LF	D	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X26LF	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X27LF	D	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X28LF	D	7	7	7	7	7	7	7	7
	C	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X29LF	D	8	8	8	8	8	8	8	8
	C	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8
	A	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X30LF	D	9	9	9	9	9	9	9	9
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X31LF	D	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9
	A	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X32LF	D	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X33LF	D	11	11	11	11	11	11	11	11
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X34LF	D	12	12	12	12	12	12	12	12
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X35LF	D	11	11	11	11	11	11	11	11
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X36LF	D	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X37LF	D	11	11	11	11	11	11	11	11
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X38LF	D	11	11	11	11	11	11	11	11
	C	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9
	A	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X39LF	D	12	12	12	12	12	12	12	12
	C	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12
	A	12	12	12	12	12	12	12	12

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11				ecn no	ELX-I-32121-1	rel level	Released
ISO 406 ISO 1101		chr	-	-				product family	METRAL		
surface	linear	0.X	±0.3		product family			METRAL	rev	AJ	
ISO 1302	angular	0.XX	±0.13		METRAL SIGNAL HEADER			dwg no		70233	
		0.XXX	±0.051		2 MOD, 4 ROW PRESS-FIT						
		0°	±2°	cat. no.	-	Product - Customer Drw			sheet 4 of 10		

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X40LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	4	4	4	4	4	4	4	4
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X41LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X42LF	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X43LF	D	13	13	13	13	13	13	13	13
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X44LF	D	2	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3
	B	4	4	4	4	4	4	4	4
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X45LF	D	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	2	2
	B	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X46LF	D	19	19	19	19	19	19	19	19
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X47LF	D	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4
	B	13	13	13	13	13	13	13	13
	A	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X48LF	D	19	19	19	19	19	19	19	19
	C	19	19	19	19	19	19	19	19
	B	19	19	19	19	19	19	19	19
	A	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X49LF	D	4	4	4	4	4	4	4	4
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X50LF	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	8	8	8	8	8	8	8	8
	A	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X51LF	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X52LF	D	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5
	A	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X53LF	D	14	14	14	14	14	14	14	14
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X54LF	D	6	6	6	6	6	6	6	6
	C	7	7	7	7	7	7	7	7
	B	8	8	8	8	8	8	8	8
	A	7	7	7	7	7	7	7	7

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	1:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1						
ISO 406		chr	-	-				rel level	Released					
ISO 1101		appr	K-Paul Biju	2018/12/11	product family	METRAL			rev					
surface	linear	Amphenol FCI			METRAL SIGNAL HEADER			70233			AJ			
												2 MOD, 4 ROW PRESS-FIT		
ISO 1302	angular											cat. no.		

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X55LF	D	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6
	B	7	7	7	7	7	7	7	7
	A	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X56LF	D	20	20	20	20	20	20	20	20
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X57LF	D	8	8	8	8	8	8	8	8
	C	8	8	8	8	8	8	8	8
	B	14	14	14	14	14	14	14	14
	A	14	14	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X58LF	D	20	20	20	20	20	20	20	20
	C	20	20	20	20	20	20	20	20
	B	20	20	20	20	20	20	20	20
	A	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X59LF	D	8	8	8	8	8	8	8	8
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X60LF	D	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10
	B	12	12	12	12	12	12	12	12
	A	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X61LF	D	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X62LF	D	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9
	A	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X63LF	D	15	15	15	15	15	15	15	15
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X64LF	D	10	10	10	10	10	10	10	10
	C	11	11	11	11	11	11	11	11
	B	12	12	12	12	12	12	12	12
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X65LF	D	9	9	9	9	9	9	9	9
	C	10	10	10	10	10	10	10	10
	B	11	11	11	11	11	11	11	11
	A	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X66LF	D	21	21	21	21	21	21	21	21
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X67LF	D	12	12	12	12	12	12	12	12
	C	12	12	12	12	12	12	12	12
	B	15	15	15	15	15	15	15	15
	A	15	15	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X68LF	D	21	21	21	21	21	21	21	21
	C	21	21	21	21	21	21	21	21
	B	21	21	21	21	21	21	21	21
	A	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X69LF	D	12	12	12	12	12	12	12	12
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11				ecn no		ELX-I-32121-1
ISO 406 ISO 1101		chr	-	-				rel level		Released
surface	linear	appr	K-Paul Biju	2018/12/11	product family		METRAL	rev		
	angular				METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT			dwg no 70233		AJ
ISO 1302	0.X ±0.3 0.XX ±0.13 0.XXX ±0.051	cat. no.			Product - Customer Drw			sheet 6 of 10		

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X70LF	D	4	4	4	4	4	4	4	4
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X71LF	D	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3
	B	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X72LF	D	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4
	A	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X73LF	D	2	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3
	B	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X74LF	D	2	2	2	2	2	2	2	2
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X75LF	D	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X76LF	D	19	19	19	19	19	19	19	19
	C	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1
	A	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X77LF	D	2	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3
	B	19	19	19	19	19	19	19	19
	A	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X78LF	D	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1
	B	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X79LF	D	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X80LF	D	8	8	8	8	8	8	8	8
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X81LF	D	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7
	B	5	5	5	5	5	5	5	5
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X82LF	D	6	6	6	6	6	6	6	6
	C	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8
	A	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X83LF	D	6	6	6	6	6	6	6	6
	C	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X84LF	D	6	6	6	6	6	6	6	6
	C	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1		
ISO 406 ISO 1101		chr	-	-				rel level	Released	
surface	linear	appr	K-Paul Biju	2018/12/11	product family	METRAL			rev	
	angular									
ISO 1302	0.X ±0.3 0.XX ±0.13 0.XXX ±0.051 0° ±2°				METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT			dwg no 70233	sheet 7 of 10	
		cat. no.	-			Product - Customer Drw			rev AJ	

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X85LF	D	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X86LF	D	20	20	20	20	20	20	20	20
	C	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5
	A	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X87LF	D	6	6	6	6	6	6	6	6
	C	7	7	7	7	7	7	7	7
	B	20	20	20	20	20	20	20	20
	A	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X88LF	D	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5
	B	7	7	7	7	7	7	7	7
	A	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X89LF	D	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X90LF	D	12	12	12	12	12	12	12	12
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X91LF	D	11	11	11	11	11	11	11	11
	C	11	11	11	11	11	11	11	11
	B	9	9	9	9	9	9	9	9
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X92LF	D	10	10	10	10	10	10	10	10
	C	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12
	A	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X93LF	D	10	10	10	10	10	10	10	10
	C	11	11	11	11	11	11	11	11
	B	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X94LF	D	10	10	10	10	10	10	10	10
	C	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X95LF	D	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X96LF	D	21	21	21	21	21	21	21	21
	C	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9
	A	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X97LF	D	10	10	10	10	10	10	10	10
	C	11	11	11	11	11	11	11	11
	B	21	21	21	21	21	21	21	21
	A	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X98LF	D	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9
	B	11	11	11	11	11	11	11	11
	A	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2			
		1	2	3	4	5	6	7	8
70233-X99LF	D	11	11	11	11	11	11	11	11
	C	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	1:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1					
ISO 406		chr	-	-				rel level	Released				
ISO 1101		appr	K-Paul Biju	2018/12/11	product family		METRAL						
surface	linear	Amphenol FCI	METRAL SIGNAL HEADER			dwg no	70233			rev			
	0.X										±0.3	Product - Customer Drw	sheet 8 of 10
	0.XX										±0.13		
	0.XXX	±0.051											
ISO 1302	angular	0°	±2°	cat. no.	-	Product - Customer Drw		AJ					

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
70233-X100LF	D	7	6	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	6	6	6	6	6	6	6
	B	20	6	6	6	6	6	6	6	6	6	6	6
	A	7	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
70233-X101LF	D	7	6	5	5	5	5	5	5	5	5	7	5
	C	7	6	5	5	5	5	5	5	5	5	7	5
	B	20	6	5	5	5	5	5	5	5	5	7	5
	A	7	6	5	5	5	5	5	5	5	5	7	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
70233-X102LF	D	1	1	1	1	1	2	2	1	1	2	2	3
	C	1	1	1	1	1	2	2	1	1	2	2	3
	B	1	1	1	1	1	2	2	1	1	4	4	19
	A	1	1	1	1	1	2	2	1	1	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
70233-X103LF	D	2	2	2	2	2	3	3	4	2	2	2	2
	C	2	2	2	2	2	3	3	4	2	2	2	2
	B	2	2	2	2	2	3	3	4	2	2	2	2
	A	2	2	2	2	2	3	3	4	2	2	2	2



spec ref *		dr	Terran Huang	2010/07/09	projection 	MM 	size	A4	scale	1:1		
tolerance std		eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1				
ISO 406 ISO 1101		chr	-	-			rel level	Released				
surface		appr	K-Paul Biju	2018/12/11	product family		METRAL					
ISO 1302	linear	0.X	±0.3		Amphenol FCi	title	METRAL SIGNAL HEADER		dwg no	70233	rev	AJ
		0.XX	±0.13				2 MOD, 4 ROW PRESS-FIT					
		0.XXX	±0.051				cat. no.	-				
	angular	0°	±2°									

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:
70233-XYLFF IS Sn (LF STANDS FOR LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
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-XXXPLF
7. PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
8. AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
9. -A PLATING HAS Au FLASH IN PRESS FIT
AREA (LEAD FREE).
10. 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.

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYLFF	TELCORDIA CO	SEE NOTE 8,9 & 10
-NIYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5YLF	TELCORDIA UE (NXT)	SEE NOTE 10
-IYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2YLF	TELECOM CLASS	SEE NOTE 10
-5YLF	TELCORDIA UE	SEE NOTE 10

spec ref *		dr	Terran Huang	2010/07/09	projection 	MM 	size	A4	scale	1:1
tolerance std		eng	Narayanan, Aru	2018/12/11			ecn no	ELX-I-32121-1		
ISO 406 ISO 1101		chr	-	-			rel level	Released		
surface		appr	K-Paul Biju	2018/12/11	product family		METRAL			
ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	METRAL SIGNAL HEADER		dwg no	70233	rev
		0.XX	±0.13							
		0.XXX	±0.051							
	angular	0°	±2°	cat. no.	-	Product - Customer Drw		sheet 10 of 10		