

A

B

C

D

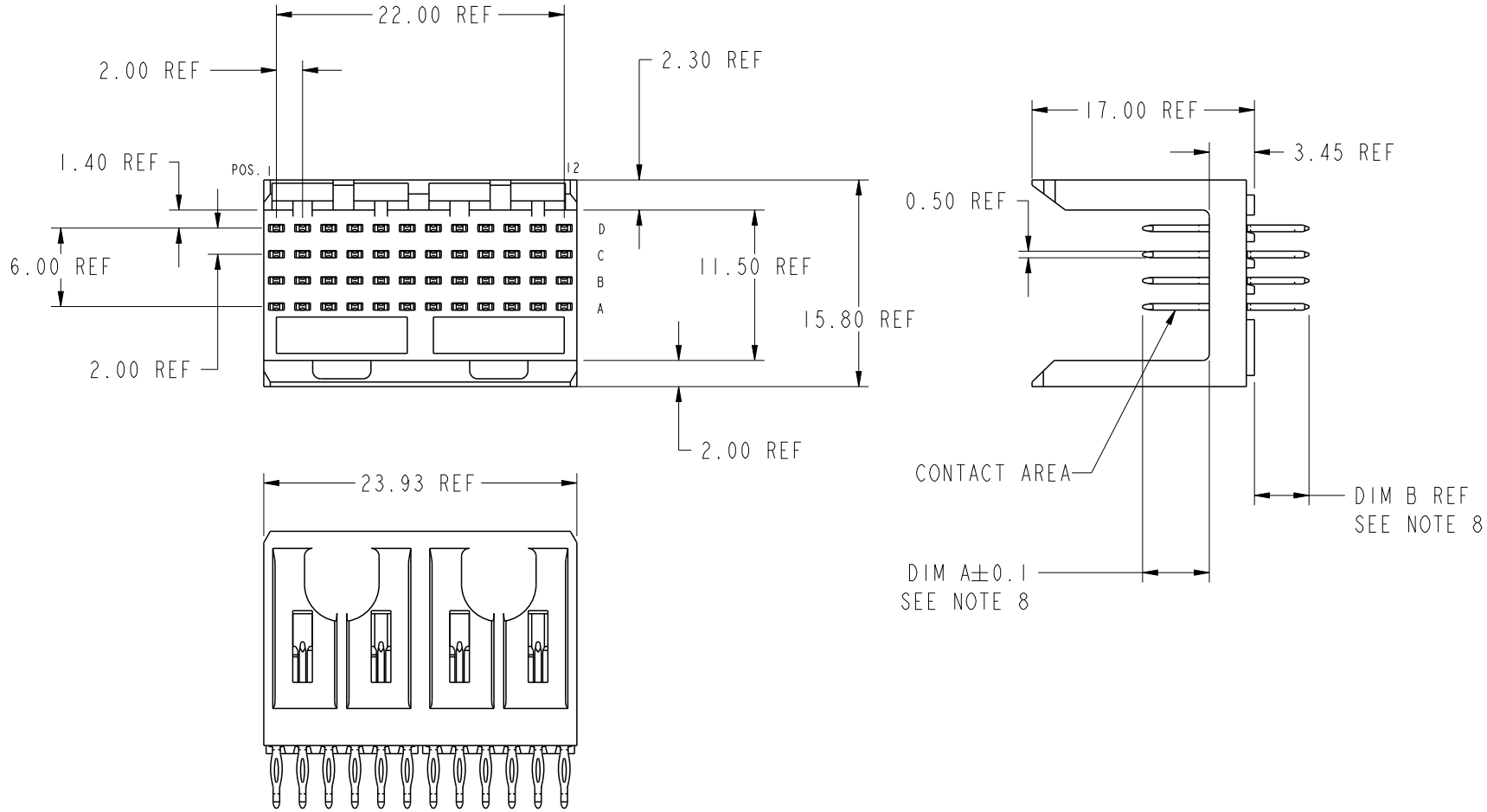
A

B

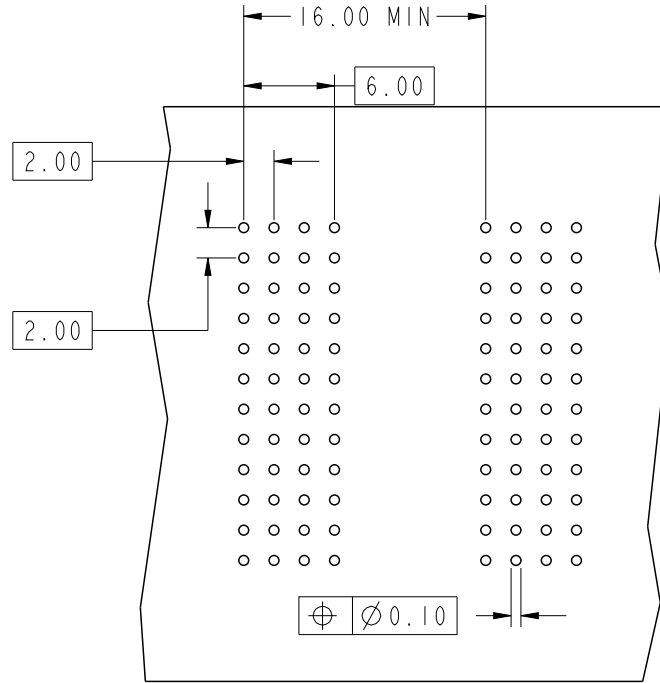
C

D

PRODUCT NUMBER  
70233-XYLFF



spec ref *		dr <b>Terran Huang</b> 2010/07/09		projection 	MM ←→	size A4	scale 2:1
tolerance std ISO 406 ISO 1101		eng <b>B T Varghese</b> 2017/09/09				ecn no ELX-I-23376-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -				rel level <b>Released</b>	
surface		appr <b>K-Paul Biju</b> 2017/09/09		product family METRAL		rev	
ISO 1302	linear	0.X	±0.3	<b>Amphenol FCI</b> title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT cat. no. * Product - Customer Drw		70233	
		0.XX	±0.13			AH	
		0.XXX	±0.051			sheet 1 of 10	
	angular	0°	±2°				



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 B T Varghese		2017/09/09			ecn no ELX-I-23376-1		
ISO 406 ISO 1101		chr -		-			rel level Released		
surface		appr K-Paul Biju		2017/09/09	product family METRAL		rev		
ISO 1302		linear		Amphenol FCi		METRAL SIGNAL HEADER		dwg no 70233	
		0.X ±0.3		2 MOD, 4 ROW PRESS-FIT				AH	
		0.XX ±0.13		cat. no. -		Product - Customer Drw		sheet 2 of 10	
		0.XXX ±0.051							
		angular 0° ±2°							

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	MM	size	A4	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	B T Varghese	2017/09/09			ecn no				ELX-I-23376-1
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level				Released
surface	linear	appr	K-Paul Biju	2017/09/09	product family		METRAL		rev		AH
	angular	Amphenol FCI		METRAL SIGNAL HEADER			dwg no		70233		
	0.X ±0.3			2 MOD, 4 ROW PRESS-FIT							
	0.XX ±0.13			cat. no.			-		Product - Customer Drw		sheet 3 of 10
	0.XXX ±0.051										
	0° ±2°										

A

B

C

D

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	B T Varghese	2017/09/09			ecn no	ELX-I-23376-1		
ISO 406 ISO 1101		chr	-	-				rel level	Released	
surface	linear	appr	K-Paul Biju	2017/09/09	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	rev AH		
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	B T Varghese	2017/09/09			ecn no	ELX-I-23376-1					
ISO 406		chr	-	-				rel level	Released				
ISO 1101		appr	K-Paul Biju	2017/09/09	product family	METRAL			rev	AH			
surface	linear	Amphenol FCI			METRAL SIGNAL HEADER			70233					
											2 MOD, 4 ROW PRESS-FIT		
	angular												
ISO 1302	0.X	±0.3	Product - Customer Drw			sheet 5 of 10							
	0.XX	±0.13											
	0.XXX	±0.051											
	0°	±2°											

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	MM	size	A4	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	B T Varghese	2017/09/09			ecn no	ELX-I-23376-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-							
surface	linear	appr	K-Paul Biju	2017/09/09	product family	METRAL	rel level	Released			
	angular	Amphenol FCI		METRAL SIGNAL HEADER			dwg no	70233		rev	AH
	0.X ±0.3	cat. no.			-	Product - Customer Drw		sheet 6 of 10			
	0.XX ±0.13										
	0.XXX ±0.051										
	0° ±2°										

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	MM	size	A4	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	B T Varghese	2017/09/09			ecn no	ELX-I-23376-1				
ISO 406		chr	-	-				rel level	Released			
ISO 1101		appr	K-Paul Biju	2017/09/09	product family	METRAL						
surface	linear	<b>Amphenol FCI</b>	METRAL SIGNAL HEADER			dwg no	70233			rev	AH	
	0.X											±0.3
	0.XX											±0.13
	0.XXX	±0.051	2 MOD, 4 ROW PRESS-FIT									
ISO 1302	angular	0°	±2°	cat. no.	-	Product - Customer Drw	sheet 7 of 10					

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	ISO 406 ISO 1101	eng	B T Varghese	2017/09/09			ecn no		ELX-I-23376-1	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level		Released	
surface	linear	appr	K-Paul Biju	2017/09/09	product family		METRAL		rev	AH
	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 8 of 10		
	ISO 1302	0° ±2°								



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



spec ref *		dr	Terran Huang	2010/07/09	projection 	MM 	size	A4	scale	1:1		
tolerance std		eng	B T Varghese	2017/09/09			ecn no	ELX-I-23376-1				
ISO 406 ISO 1101		chr	-	-			rel level	Released				
surface		appr	K-Paul Biju	2017/09/09	product family		METRAL					
ISO 1302	linear	0.X	±0.3		Amphenol FCi	title	METRAL SIGNAL HEADER		dwg no	70233	rev	AH
		0.XX	±0.13									
		0.XXX	±0.051									
	angular	0°	±2°		cat. no.	-		Product - Customer Drw		sheet 9 of 10		

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		size A4		scale 1:1	
tolerance std		eng B T Varghese		2017/09/09						ecn no ELX-I-23376-1	
ISO 406 ISO 1101		chr -		-						rel level Released	
surface		appr K-Paul Biju		2017/09/09		product family METRAL		rev		70233	
TOLERANCES UNLESS OTHERWISE SPECIFIED  linear		0.X		±0.3		title METRAL SIGNAL HEADER 2 MOD, 4 ROW PRESS-FIT		dwg no		rev AH	
		0.XX		±0.13							
		0.XXX		±0.051							
ISO 1302		angular		0°		±2°		cat. no. -		Product - Customer Drw	
								sheet 10 of 10			

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[70233-1101LF](#)