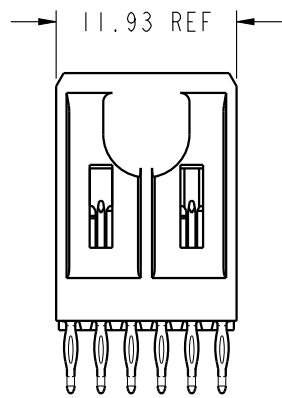
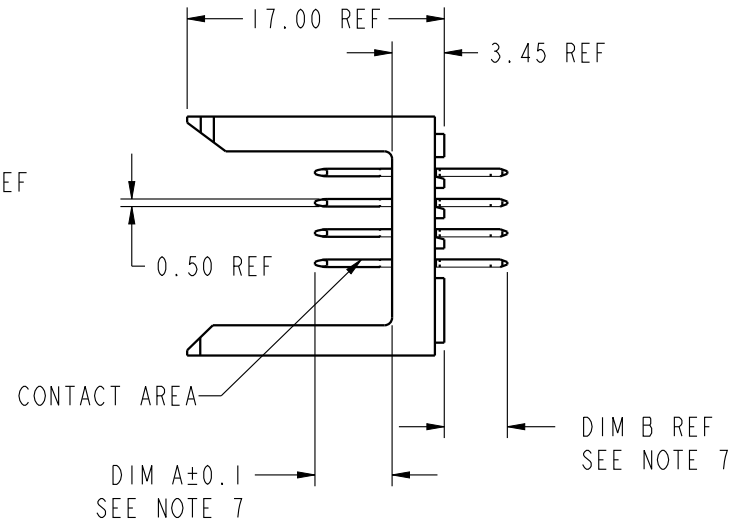
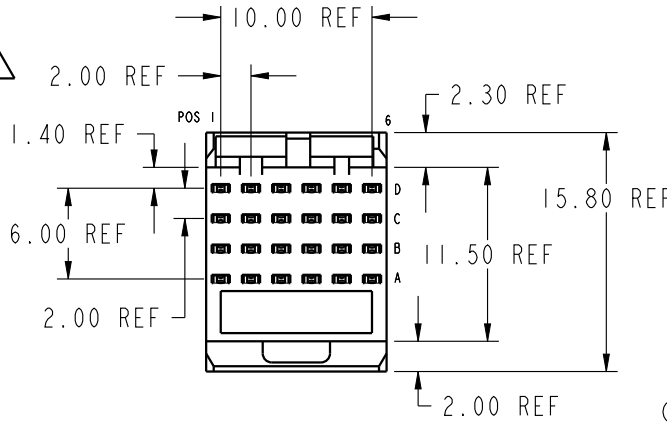


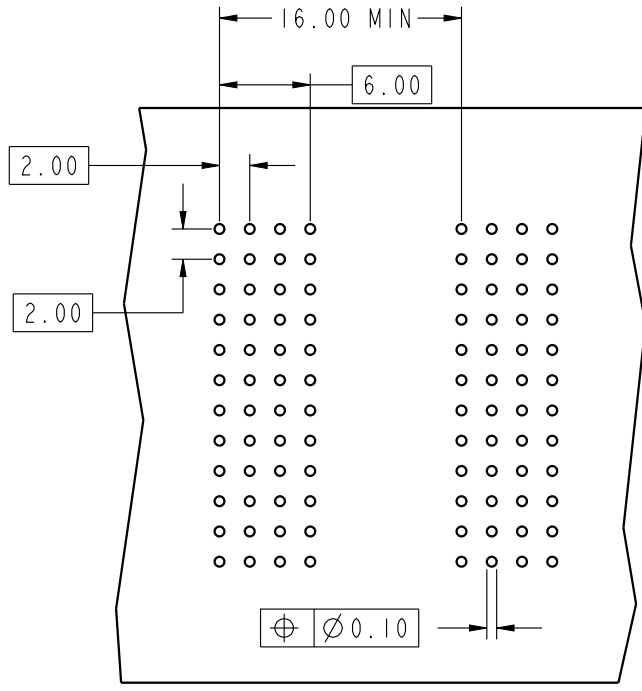
PRODUCT NUMBER
85713-XY(L)LF

L REFER LUBRICATED (OPTIONAL) \triangle
SEE NOTE 3

X REFER PLATING PERFORMANCE \triangle
SEE NOTE 3



spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	2:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/07/21			ecn no	ELX-I-41716-1							
ISO 406		chr	-	-				rel level	Released						
ISO 1101		appr	Kuriakose, San	2021/08/16	product family	METRAL									
surface	3.200	linear	0.X	±0.3	Amphenol FCi	title	METRAL SIGNAL HEADER			dwg no	85713	rev	AU		
ISO 1302	✓	0.XX	±0.13				cat. no.	-	Product - Customer Drw					sheet 1 of 6	
		0.XXX	±0.050												
angular	0°	±2°		amphenol-icc.com	PDS: Rev :AU			STATUS:Released		Printed: Aug 18, 2021					



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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
22	5.00	12.10
25	5.75	15.60
26	5.00	14.90
31	5.75	12.90
40	5.00	15.60
41	6.50	15.60
42	7.25	15.60
43	8.00	15.60
45	6.50	12.10
59	5.00	11.80
60	5.75	11.80
61	6.50	11.80
62	7.25	11.80
63	8.00	11.80

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/07/21			ecn no	ELX-I-41716-1		
ISO 406 ISO 1101		chr	-	-				rel level	Released	
surface	3.200	appr	Kuriakose, San	2021/08/16	product family	METRAL		rel level	Released	
ISO 1302	linear	Amphenol FCi	METRAL SIGNAL HEADER			dwg no	85713		rev	AU
	angular	amphenol-icc.com	1 MOD, 4 ROW PRESS-FIT			cat. no.	-		Product - Customer Drw	
	0.X						sheet 2 of 6			
	0.XX									
	0.XXX									
	0°									

Creo F:14:ELX-MC:AC:REV F:2020-12-21

A

B

C

D

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X01LF	D	1	1	1	1	1	1
	C	3	3	3	3	3	3
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X06LF	D	31	31	31	31	31	31
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	31	31	31	31	31	31

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X11LF	D	13	13	13	13	13	13
	C	13	13	13	13	13	13
	B	13	13	13	13	13	13
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X16LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X02LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X07LF	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X12LF	D	1	1	1	1	1	1
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X17LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X03LF	D	45	45	45	45	45	45
	C	45	45	45	45	45	45
	B	45	45	45	45	45	45
	A	45	45	45	45	45	45

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X08LF	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X13LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X18LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X04LF	D	7	7	7	7	7	7
	C	31	31	31	31	31	31
	B	31	31	31	31	31	31
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X09LF	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X14LF	D	11	11	11	11	11	11
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X19LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X05LF	D	22	22	22	22	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X10LF	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X15LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X20LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	40	40	40	40	40	40

spec ref	*	dr	Terran Huang	2010/07/09	projection	size	A4	scale	2:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/07/21		MM	ecn no	ELX-I-41716-1						
ISO 406		chr	-	-				rel level	Released					
ISO 1101		appr	Kuriakose, San	2021/08/16	product family	METRAL		rev						
surface 3.200	linear	Amphenol FCI			title		METRAL SIGNAL HEADER		dwg no	85713				
	0.X										±0.3	I MOD, 4 ROW PRESS-FIT		AU
	0.XX										±0.13			
	0.XXX	±0.050												
ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw		sheet 3 of 6					

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X21LF	D	19	19	19	19	19	19
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X26LF	D	40	40	40	40	40	40
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	41	41	41	41	41	41

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X31LF	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	59	59	59	59	59	59
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X36LF	D	61	61	61	61	61	61
	C	61	61	61	61	61	61
	B	63	63	63	63	63	63
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X22LF	D	20	20	20	20	20	20
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X27LF	D	19	19	19	19	19	19
	C	2	2	2	2	2	2
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X32LF	D	61	61	61	61	61	61
	C	60	60	60	60	60	60
	B	60	60	60	60	60	60
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X37LF	D	60	60	60	60	60	60
	C	60	60	60	60	60	60
	B	60	60	60	60	60	60
	A	60	60	60	60	60	60

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X23LF	D	14	14	14	14	14	14
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X28LF	D	3	3	3	3	3	3
	C	4	4	4	4	4	4
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X33LF	D	61	61	61	61	61	61
	C	61	61	61	61	61	61
	B	61	61	61	61	61	61
	A	61	61	61	61	61	61

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X38LF	D	62	62	62	62	62	62
	C	62	62	62	62	62	62
	B	62	62	62	62	62	62
	A	62	62	62	62	62	62

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X24LF	D	13	13	13	13	13	13
	C	19	19	19	19	19	19
	B	19	19	19	19	19	19
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X29LF	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X34LF	D	60	60	60	60	60	60
	C	60	60	60	60	60	60
	B	62	62	62	62	62	62
	A	60	60	60	60	60	60

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X39LF	D	63	63	63	63	63	63
	C	63	63	63	63	63	63
	B	63	63	63	63	63	63
	A	63	63	63	63	63	63

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X25LF	D	26	26	26	26	26	26
	C	26	26	26	26	26	26
	B	26	26	26	26	26	26
	A	26	26	26	26	26	26

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X30LF	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	59	59	59	59	59	59
	A	59	59	59	59	59	59

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X35LF	D	61	61	61	61	61	61
	C	62	62	62	62	62	62
	B	63	63	63	63	63	63
	A	63	63	63	63	63	63

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X40LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	40	40	40	40	40	40

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/07/21			ecn no	ELX-I-41716-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-	product family	METRAL	rel level	Released		
surface	3.200	appr	Kuriakose, San	2021/08/16	title	METRAL SIGNAL HEADER	dwg no	85713	rev	AU
	linear					I MOD, 4 ROW PRESS-FIT				
	angular				amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 4 of 6	
	0.X									
	0.XX									
	0.XXX									
	0°									

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
85713-X41LF	D	40	40	40	40	40	40
	C	40	40	40	40	40	40
	B	40	40	40	40	40	40
	A	41	41	41	41	41	41
85713-X42LF	D	41	41	41	41	41	41
	C	25	25	25	25	25	25
	B	25	25	25	25	25	25
	A	41	41	41	41	41	41
85713-X43LF	D	41	41	41	41	41	41
	C	41	41	41	41	41	41
	B	41	41	41	41	41	41
	A	41	41	41	41	41	41
85713-X44LF	D	25	25	25	25	25	25
	C	25	25	25	25	25	25
	B	42	42	42	42	42	42
	A	25	25	25	25	25	25
85713-X45LF	D	41	41	41	41	41	41
	C	42	42	42	42	42	42
	B	43	43	43	43	43	43
	A	43	43	43	43	43	43
85713-X46LF	D	41	41	41	41	41	41
	C	41	41	41	41	41	41
	B	43	43	43	43	43	43
	A	41	41	41	41	41	41
85713-X47LF	D	42	42	42	42	42	42
	C	42	42	42	42	42	42
	B	42	42	42	42	42	42
	A	42	42	42	42	42	42
85713-X48LF	D	43	43	43	43	43	43
	C	43	43	43	43	43	43
	B	43	43	43	43	43	43
	A	43	43	43	43	43	43
85713-X49LF	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	21	21	21	21	21	21
	A	21	21	21	21	21	21
85713-X50LF	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11
85713-X51LF	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10
85713-X52LF	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	12	12	12	12	12	12
85713-X53LF	D	7	7	7	7	7	7
	C	8	8	8	8	8	8
	B	20	20	20	20	20	20
	A	20	20	20	20	20	20
85713-X54LF	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	20	20	20	20	20	20
	A	7	7	7	7	7	7
85713-X55LF	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	19	19	19	19	19	19
	A	19	19	19	19	19	19
85713-X56LF	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	3	3	3	3	3	3
85713-X57LF	D	1	1	1	1	1	1
	C	3	3	3	3	3	3
	B	4	4	4	4	4	4
	A	19	19	19	19	19	19
85713-X58LF	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	19	19	19	19	19	19
85713-X59LF	D	13	13	13	13	13	13
	C	4	4	4	4	4	4
	B	3	3	3	3	3	3
	A	13	13	13	13	13	13
85713-X60LF	D	20	20	20	20	20	20
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	20	20	20	20	20	20
85713-X61LF	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	61	61	61	61	61	61
	A	59	59	59	59	59	59
85713-X62LF	D	1	1	1	1	1	1
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4
85713-X63LF	D	31	31	31	31	31	31
	C	31	31	31	31	31	31
	B	31	31	31	31	31	31
	A	31	31	31	31	31	31

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	2:1	
tolerance std	ISO 406 ISO 1101	eng	Rahul Mohan-M	2021/07/21			ecn no				ELX-I-41716-1
surface	3.200	chr	-	-			rel level				Released
ISO 1302	linear	appr	Kuriakose, San	2021/08/16	product family			METRAL	rev		AU
	0.X ±0.3	Amphenol FCI			METRAL SIGNAL HEADER			dwg no		85713	
	0.XX ±0.13										
	0.XXX ±0.050										
	angular 0° ±2°	amphenol-icc.com			cat. no.			Product - Customer Drw		sheet 5 of 6	

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 PRODUCT MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED
IN GS-47-0004.
9. ALL PRODUCTS WILL 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 \triangle SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE
DRAWING CURRENT REVISION

Amphenol
FCi

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spec ref *		dr	Terran Huang	2010/07/09	projection 	MM 	size	A4	scale	2:1			
tolerance std		eng	Rahul Mohan-M	2021/07/21			ecn no	ELX-I-41716-1					
ISO 406 ISO 1101		chr	-	-			rel level	Released					
surface		appr	Kuriakose, San	2021/08/16	product family		METRAL		rev				
ISO 1302 	linear	0.X		±0.3		Amphenol FCi	title			dwg no	85713	rev	AU
		0.XX		±0.13									
		0.XXX		±0.050									
	angular	0°		±2°		amphenol-icc.com		cat. no.		Product - Customer Drw		sheet 6 of 6	