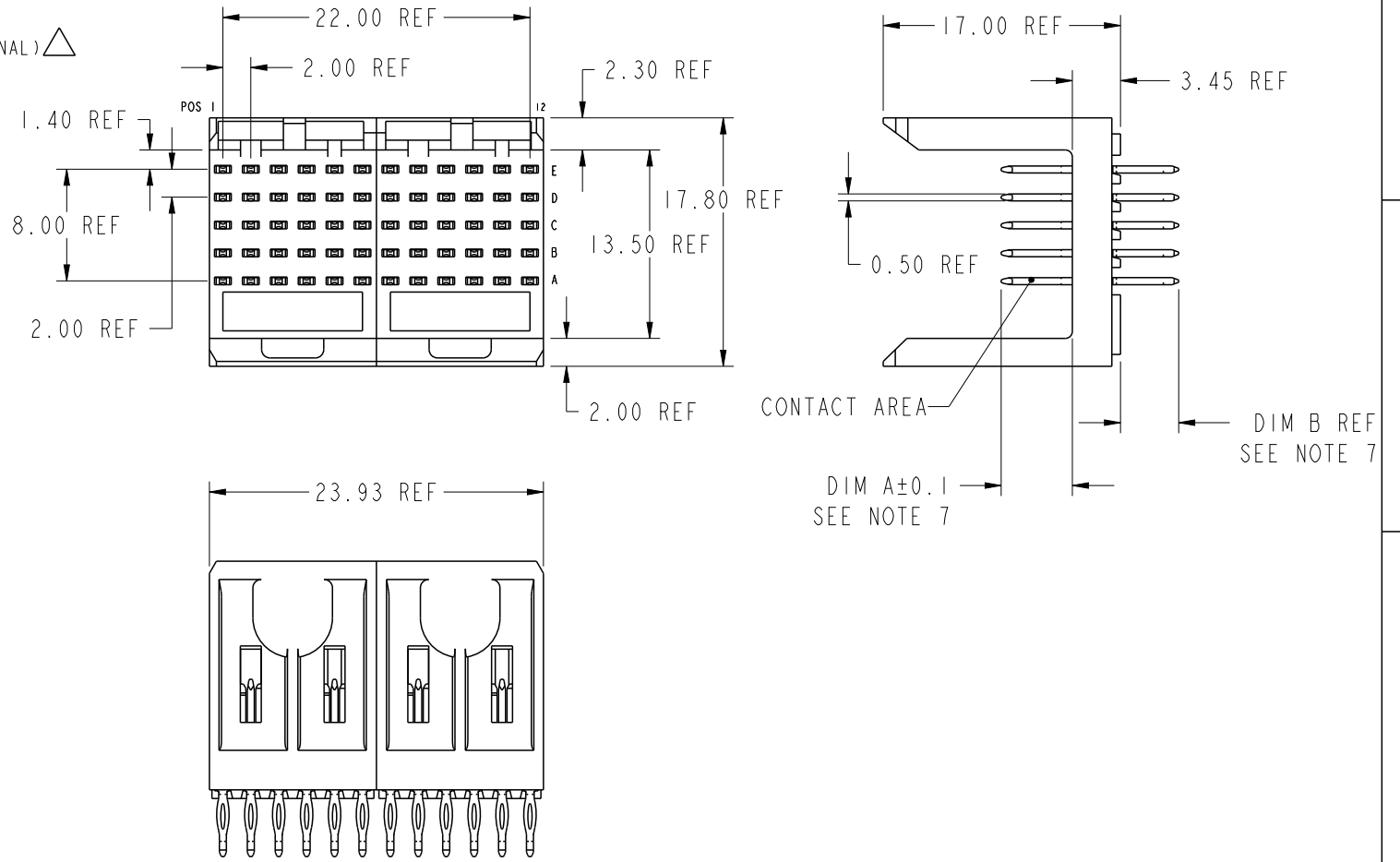


PRODUCT NUMBER
85853-XY(L)LF
OR
85853-XXXX(L)LF

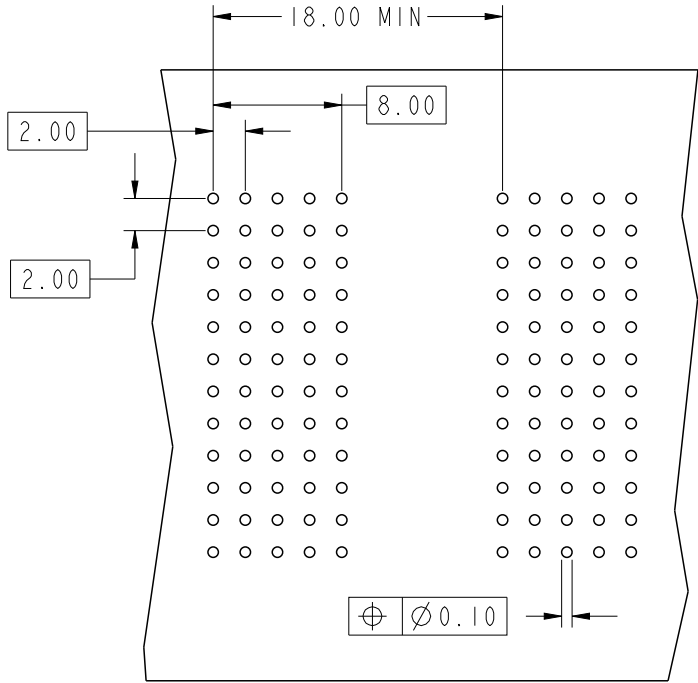
L REFER LUBRICATED (OPTIONAL) \triangle
SEE NOTE 3

X REFER PLATING PERFORMANCE \triangle
SEE NOTE 3



spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	11:10	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1			
ISO 406		chr	-	-			rel level	Released			
ISO 1302		appr	Kuriakose, San	2021/08/16	product family	METRAL			rev		
surface 3.200	linear	Amphenol FCI			METRAL SIGNAL HEADER			85853		DA	
	0.X										± 0.3
	0.XX										± 0.13
	0.XXX	± 0.050	cat. no.			Product - Customer Drw			sheet 1 of 12		
ISO 1302	angular	0°	$\pm 2^\circ$	amphenol-icc.com							

Creo F:14:ELX-FCI:AC,REV F,2020-12-21



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
25	5.75	15.60
33	7.25	12.90
36	5.75	14.40
49	5.75	15.10
64	5.75	14.90
67	7.25	16.30

spec ref *		dr Terran Huang	2010/07/09	projection 	MM 	size A4	scale 21:10
tolerance std ISO 406 ISO 1302		eng Rahul Mohan-M	2021/06/17			ecn no ELX-I-41242-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -	-			rel level Released	
surface 3.200	linear	0.X	±0.3	product family METRAL	dwg no 85853	rev DA	
ISO 1302		0.XX	±0.13				
		0.XXX	±0.050	title METRAL SIGNAL HEADER			
	angular	0°	±2°	cat. no. -		Product - Customer Drw	
amphenol-icc.com				sheet 2 of 12			

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X01LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	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
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X05LF	E	7	6	5	5	5	5	5	5	5	5	5	5
	D	7	6	5	5	5	5	5	5	5	5	5	5
	C	7	6	5	5	5	5	5	5	5	5	5	5
	B	7	6	5	5	5	5	5	5	5	5	5	5
	A	7	6	5	5	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	9	10	11	12
85853-X09LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	1	2	2	2	2	2	2	1	2	2	2	2
	A	2	2	2	2	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	9	10	11	12
85853-X13LF	E	4	4	4	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	19	19	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	2	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	9	10	11	12
85853-X02LF	E	3	3	19	3	3	19	3	3	19	3	3	19
	D	3	19	3	3	19	3	3	19	3	3	19	3
	C	19	3	3	19	3	3	19	3	3	19	3	19
	B	3	3	19	3	3	19	3	3	19	3	3	19
	A	3	19	3	3	19	3	3	19	3	3	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X06LF	E	25	25	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25	25	25
	A	2	2	2	2	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	9	10	11	12
85853-X10LF	E	6	6	6	6	6	8	6	8	6	6	20	6
	D	6	6	6	6	6	8	6	8	6	6	20	6
	C	6	6	6	6	6	8	6	8	6	6	20	6
	B	6	6	6	6	6	8	6	8	6	6	20	6
	A	6	6	6	6	6	8	6	8	6	6	20	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X14LF	E	1	4	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	4	1	4	3	1	1	1
	C	1	1	1	4	1	1	1	4	3	3	1	1
	B	1	4	1	1	1	1	1	4	3	3	1	1
	A	1	1	1	1	1	4	1	4	1	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X03LF	E	19	3	19	3	19	3	19	3	19	3	19	3
	D	3	19	3	19	3	19	3	19	3	19	3	19
	C	19	3	19	3	19	3	19	3	19	3	19	3
	B	3	19	3	19	3	19	3	19	3	19	3	19
	A	19	3	19	3	19	3	19	3	19	3	19	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X07LF	E	33	7	7	7	7	7	7	7	7	7	7	7
	D	36	7	7	7	7	7	7	7	7	7	7	7
	C	33	7	7	7	7	7	7	7	7	7	7	7
	B	36	7	7	7	7	7	7	7	7	7	7	7
	A	33	7	7	7	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	9	10	11	12
85853-X11LF	E	2	2	2	2	2	4	2	4	2	2	19	2
	D	2	2	2	2	2	4	2	4	2	2	19	2
	C	2	2	2	2	2	4	2	4	2	2	19	2
	B	2	2	2	2	2	4	2	4	2	2	19	2
	A	2	2	2	2	2	4	2	4	2	2	19	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X15LF	E	1	1	1	4	1	1	1	1	4	1	1	1
	D	1	4	1	1	1	1	4	1	1	1	1	4
	C	1	1	1	1	4	1	1	1	1	4	1	1
	B	1	1	4	1	1	1	1	4	1	1	1	1
	A	1	1	1	1	1	4	1	1	1	1	1	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X04LF	E	10	10	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10	10	10
	A	2	2	2	2	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	9	10	11	12
85853-X08LF	E	4	1	1	1	19	1	1	1	1	19	1	1
	D	3	1	1	1	19	1	1	1	1	1	1	1
	C	3	1	1	1	1	19	1	1	1	19	1	1
	B	3	1	1	1	19	1	1	1	19	1	1	1
	A	3	1	1	1	19	1	1	1	19	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X12LF	E	8	8	8	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	20	20	20	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	8	8	8	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
85853-X16LF	E	1	1	1	1	1	3	3	1	3	1	1	1
	D	1	1	1	1	1	3	3	1	3	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
	A	4	4	4	4	4	4	4	4	4	4	4	4

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:10		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1				
SEE NOTE 10 LEAD FREE OPTION		chr	-	-			rel level	Released				
ISO 406 ISO 1302		appr	Kuriakose, San	2021/08/16	product family	METRAL						
surface 3.200 ISO 1302	linear	Amphenol FCI		METRAL SIGNAL HEADER			dwg no	85853			rev	DA
	angular	amphenol-icc.com		2 MOD, 5 ROW PRESS-FIT			Product - Customer Drw				sheet 3 of 12	
				cat. no.								

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X17LF	E	1	4	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	4	1	4	3	4	1	1
	C	1	1	1	4	1	1	1	4	3	3	1	1
	B	1	4	1	1	1	1	1	4	3	3	1	1
	A	1	1	1	1	1	4	1	4	3	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X21LF	E	2	2	2	2	2	2	2	2	2	2	1	9	2
	D	2	2	2	2	2	2	2	2	2	2	1	9	2
	C	2	2	2	2	2	2	2	2	2	2	1	9	2
	B	2	2	2	2	2	2	2	2	2	2	1	9	2
	A	2	2	2	2	2	4	2	4	2	2	1	9	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X25LF	E	8	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6	6
	C	20	20	20	6	6	20	6	6	6	6	6	6	6
	B	6	6	6	6	6	8	6	6	6	6	6	6	6
	A	8	6	6	6	6	8	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	
85853-X29LF	E	2	-	2	-	2	-	2	-	2	-	2	-	-
	D	-	-	-	-	-	-	-	-	-	-	-	-	-
	C	2	-	2	-	2	-	2	-	2	-	2	-	-
	B	-	-	-	-	-	-	-	-	-	-	-	-	-
	A	2	-	2	-	2	-	2	-	2	-	2	-	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X18LF	E	1	1	1	4	1	1	1	1	4	1	1	1	1
	D	1	4	1	1	1	1	4	1	1	1	1	1	1
	C	1	1	1	1	4	1	1	1	1	4	1	1	1
	B	1	1	4	1	1	1	1	4	1	1	1	1	1
	A	4	4	1	1	1	4	1	1	1	1	1	1	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X22LF	E	4	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	19	19	19	2	2	19	2	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2	2
	A	4	2	2	2	2	4	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	9	10	11	12	
85853-X26LF	E	1	3	3	3	3	3	3	3	3	3	3	3	3
	D	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
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X30LF	E	2	-	2	-	2	-	3	3	19	19	3	4	4
	D	-	-	-	-	-	-	3	3	19	19	3	4	4
	C	2	-	2	-	2	-	3	3	19	19	3	4	4
	B	-	-	-	-	-	-	3	3	19	19	3	4	4
	A	2	-	2	-	2	-	3	3	19	19	3	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X19LF	E	25	25	25	25	25	25	25	25	25	25	25	25	25
	D	25	25	25	25	25	25	25	25	25	25	25	25	25
	C	25	25	25	25	25	25	25	25	25	25	25	25	25
	B	25	25	25	25	25	25	25	25	25	25	25	25	25
	A	25	25	25	25	25	25	25	25	25	25	25	25	25

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X23LF	E	49	49	49	49	49	49	49	49	49	49	49	49	49
	D	49	49	49	49	49	49	49	49	49	49	49	49	49
	C	49	49	49	49	49	49	49	49	49	49	49	49	49
	B	49	49	49	49	49	49	49	49	49	49	49	49	49
	A	49	49	49	49	49	49	49	49	49	49	49	49	49

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X27LF	E	5	7	7	7	7	7	7	7	7	7	7	7	7
	D	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
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X31LF	E	2	-	2	-	2	-	4	2	2	2	2	2	2
	D	-	-	-	-	-	-	4	2	2	2	2	2	2
	C	2	-	2	-	2	-	4	2	2	2	2	2	2
	B	-	-	-	-	-	-	4	2	2	2	2	2	2
	A	2	-	2	-	2	-	4	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X20LF	E	3	2	2	2	2	2	3	2	2	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2	2	2	3
	C	3	2	2	2	4	4	4	4	2	2	2	2	2
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X24LF	E	6	6	6	6	6	6	6	6	6	6	20	6	6
	D	6	6	6	6	6	6	6	6	6	6	20	6	6
	C	6	6	6	6	6	6	6	6	6	6	20	6	6
	B	6	6	6	6	6	6	6	6	6	6	20	6	6
	A	6	6	6	6	6	8	6	8	6	6	20	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2							
		1	2	3	4	5	6	7	8	9	10	11	12	
85853-X28LF	E	2	2	2	2	2	2	-	2	-	2	-	-	-
	D	2	2	2	2	2	2	-	-	-	-	-	-	-
	C	2	2	2	2	2	2	2	2	2	-	2	-	-
	B	2	2	2	2	2	2	-	-	-	-	-	-	-
	A	2	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	9	10	11	12	
85853-X32LF	E	20	7	7	7	7	7	20	7	7	7	6	5	5
	D	20	7	7	7	7	7	20	7	7	7	6	5	5
	C	20	7	7	7	7	7	20	7	7	7	6	5	5
	B	20	7	7	7	7	7	20	7	7	7	6	5	5
	A	20	7	7	7	7	7	20	7	7	7	6	5	5

spec ref *		dr Terran Huang		2010/07/09		projection		MM ←————→		size A4		scale 11:10	
tolerance std ISO 406 ISO 1302		eng Rahul Mohan-M		2021/06/17						ecn no ELX-I-41242-1			
surface 3.200 ISO 1302		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -				appr Kuriakose, San		2021/08/16		product family METRAL	
		linear		0.X ±0.3		Amphenol FCI		METRAL SIGNAL HEADER		dwg no 85853		rev DA	
				0.XX ±0.13									
angular		0.XXX ±0.050		amphenol-icc.com		cat. no. -		Product - Customer Drw		sheet 4 of 12			
		0° ±2°											

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X33LF	E	20	7	7	7	7	20	7	7	7	7	7
	D	20	7	7	7	7	20	7	7	7	7	7
	C	20	7	7	7	7	20	7	7	7	7	7
	B	20	7	7	7	7	20	7	7	7	7	7
	A	20	7	7	7	7	20	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X37LF	E	-	-	-	-	-	-	-	-	-	-	-
	D	-	-	-	-	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-	-	-	-	-
	B	-	-	-	-	-	-	-	-	-	-	-
	A	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X41LF	E	3	-	3	3	-	3	3	-	3	3	-	3
	D	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
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X45LF	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	5	5	6	6	6	6	5	5
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X34LF	E	2	-	2	-	2	-	2	2	2	2	2	2
	D	-	-	-	-	-	2	2	2	2	2	2	2
	C	2	-	2	-	2	-	2	2	2	2	2	2
	B	-	-	-	-	-	2	2	2	2	2	2	2
	A	2	-	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	9	10	11	12
85853-X38LF	E	19	19	19	19	-	19	-	19	-	19	-	19
	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	9	10	11	12
85853-X42LF	E	2	2	2	2	2	2	1	1	1	1	1	1
	D	2	2	2	2	2	2	1	1	1	1	1	1
	C	1	1	1	1	1	1	2	2	2	2	1	1
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X46LF	E	2	2	2	2	1	2	2	2	2	2	2	2
	D	2	2	2	2	1	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X35LF	E	19	3	3	3	3	19	3	3	3	2	1	1
	D	19	3	3	3	3	19	3	3	3	2	1	1
	C	19	3	3	3	3	19	3	3	3	2	1	1
	B	19	3	3	3	3	19	3	3	3	2	1	1
	A	19	3	3	3	3	19	3	3	3	2	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X39LF	E	3	3	7	3	3	7	7	7	7	7	7	7
	D	3	3	7	3	3	7	7	7	7	7	7	7
	C	3	7	7	7	3	7	7	7	7	7	7	7
	B	3	3	3	3	3	7	7	7	7	7	7	7
	A	3	3	3	3	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	9	10	11	12
85853-X43LF	E	2	2	2	2	2	2	5	5	5	5	5	5
	D	2	2	2	2	2	2	5	5	5	5	5	5
	C	1	1	1	1	1	1	6	6	6	6	5	5
	B	1	1	1	1	1	1	5	5	5	5	5	5
	A	1	1	1	1	1	1	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X47LF	E	-	5	5	-	5	5	-	5	5	-	5	5
	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	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X36LF	E	19	3	3	3	3	19	3	3	3	3	3	3
	D	19	3	3	3	3	19	3	3	3	3	3	3
	C	19	3	3	3	3	19	3	3	3	3	3	3
	B	19	3	3	3	3	19	3	3	3	3	3	3
	A	19	3	3	3	3	19	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X40LF	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	1
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	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	9	10	11	12
85853-X44LF	E	6	6	6	6	6	6	5	5	5	5	5	5
	D	6	6	6	6	6	6	5	5	5	5	5	5
	C	5	5	5	5	5	5	6	6	6	6	5	5
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X48LF	E	2	2	2	2	2	2	3	2	2	2	2	2
	D	2	2	2	2	2	2	3	2	2	2	2	2
	C	2	2	2	2	2	2	3	2	2	2	2	2
	B	2	2	2	2	2	2	3	2	2	2	2	2
	A	2	2	2	2	2	2	3	2	2	2	1	3

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:10
tolerance std	ISO 406 ISO 1302	eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level	Released		
surface	3.200	appr	Kuriakose, San	2021/08/16	product family	METRAL	rev	85853	DA	
linear	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	Amphenol FCI		METRAL SIGNAL HEADER			dwg no	85853	rev	DA
angular	0° ±2°	amphenol-icc.com		2 MOD, 5 ROW PRESS-FIT			cat. no.	-	Product - Customer Drw	
							sheet 5 of 12			

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X49LF	E	1	1	1	1	1	2	2	2	2	2	2
	D	1	1	1	1	1	2	2	2	2	2	2
	C	1	1	2	2	2	2	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	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	9	10	11
85853-X53LF	E	-	1	1	-	-	-	-	-	-	1	1
	D	-	1	1	-	-	-	-	-	-	1	1
	C	-	-	-	-	-	-	-	-	-	-	-
	B	-	1	1	-	-	1	1	1	-	1	1
	A	-	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	9	10	11
85853-X57LF	E	-	19	-	-	19	-	19	-	19	19	19
	D	-	19	-	-	19	-	19	-	19	19	19
	C	-	19	-	-	19	-	19	-	19	19	19
	B	-	19	-	-	19	-	19	-	19	19	19
	A	-	19	-	-	19	-	19	-	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X61LF	E	19	2	2	2	2	2	2	2	2	2	2
	D	19	2	2	2	2	2	2	2	2	2	2
	C	19	2	2	2	2	2	2	2	2	2	2
	B	19	2	2	2	2	2	2	2	2	2	2
	A	19	2	2	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	9	10	11
85853-X50LF	E	5	5	5	5	5	5	2	2	2	2	2
	D	5	5	5	5	5	5	2	2	2	2	2
	C	5	5	6	6	6	6	1	1	1	1	1
	B	5	5	5	5	5	5	1	1	1	1	1
	A	5	5	5	5	5	5	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X54LF	E	1	1	1	1	-	1	-	1	-	1	-
	D	1	1	1	1	-	1	-	1	-	1	-
	C	1	1	1	1	-	1	-	1	-	1	-
	B	1	1	1	1	-	1	-	1	-	1	-
	A	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	9	10	11
85853-X58LF	E	-	1	1	-	-	-	-	-	-	1	1
	D	-	1	1	-	-	-	-	-	-	1	1
	C	-	-	-	-	-	-	-	-	-	-	-
	B	-	1	1	-	1	1	-	1	1	-	1
	A	2	2	2	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	9	10	11	12
85853-X62LF	E	6	6	6	20	-	20	-	6	-	6	-	20
	D	6	6	6	20	-	20	-	6	-	6	-	20
	C	6	6	6	20	-	20	-	6	-	6	-	20
	B	6	6	6	20	-	20	-	6	-	6	-	20
	A	6	6	6	20	-	20	-	6	-	6	-	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X51LF	E	5	5	5	5	5	5	6	6	6	6	6
	D	5	5	5	5	5	5	6	6	6	6	6
	C	5	5	6	6	6	6	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	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	9	10	11
85853-X55LF	E	2	19	19	19	19	19	19	19	19	19	19
	D	2	19	19	19	19	19	19	19	19	19	19
	C	2	19	19	19	19	19	19	19	19	19	19
	B	2	19	19	19	19	19	19	19	19	19	19
	A	2	19	19	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	9	10	11
85853-X59LF	E	3	-	3	3	3	3	3	3	3	3	3
	D	3	-	3	3	3	3	3	3	3	3	3
	C	-	-	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	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	9	10	11
85853-X63LF	E	20	6	6	6	6	6	6	6	6	6	6
	D	20	6	6	6	6	6	6	6	6	6	6
	C	20	6	6	6	6	6	6	6	6	6	6
	B	20	6	6	6	6	6	6	6	6	6	6
	A	20	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
85853-X52LF	E	1	1	1	1	1	1	19	19	19	19	1
	D	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	19	19	19	19	1
	B	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	19	19	19	19	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X56LF	E	19	19	19	19	-	19	-	19	-	-	19	-
	D	19	19	19	19	-	19	-	19	-	-	19	-
	C	19	19	19	19	-	19	-	19	-	-	19	-
	B	19	19	19	19	-	19	-	19	-	-	19	-
	A	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	9	10	11	12
85853-X60LF	E	2	2	2	19	-	19	-	2	-	2	-	19
	D	2	2	2	19	-	19	-	2	-	2	-	19
	C	2	2	2	19	-	19	-	2	-	2	-	19
	B	2	2	2	19	-	19	-	2	-	2	-	19
	A	2	2	2	19	-	19	-	2	-	2	-	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X64LF	E	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2
	B	2	-	-	-	2	2	-	-	-	-	2
	A	2	-	2	-	-	2	2	-	2	-	-

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	A4	scale	1:10
tolerance std	ISO 406 ISO 1302	eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1		
surface	3.200	chr	-	-			rel level	Released		
ISO 1302	linear	appr	Kuriakose, San	2021/08/16	product family	METRAL	rev	85853	DA	
	angular									
	0.X	±0.3	Amphenol FCI		METRAL SIGNAL HEADER		dwg no	85853		rev
	0.XX	±0.13	amphenol-icc.com		2 MOD, 5 ROW PRESS-FIT				DA	
	0.XXX	±0.050	cat. no.		-		Product - Customer Drw		sheet 6 of 12	
	0°	±2°								

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X65LF	E	5	5	6	5	5	5	5	5	6	5	5	5
	D	5	5	6	5	5	5	5	5	6	5	5	5
	C	5	5	6	5	5	5	5	5	6	5	5	5
	B	5	5	6	5	5	5	5	5	6	5	5	5
	A	5	5	6	5	5	5	5	5	6	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X69LF	E	2	2	2	2	4	2	2	2	2	2	2	2
	D	2	2	2	2	4	2	2	2	2	2	2	2
	C	2	2	2	2	4	4	4	4	4	4	2	2
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X73LF	E	5	5	6	5	5	5	5	6	5	5	5	5
	D	5	5	6	5	5	5	5	6	5	5	5	5
	C	1	1	6	1	5	5	5	6	5	5	5	5
	B	5	5	6	5	5	5	5	6	5	5	5	5
	A	5	5	6	5	5	5	5	6	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X77LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	2	2	2	2	1	2	2	2	2	2	2
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X66LF	E	5	5	6	5	5	5	5	6	5	5	5	6
	D	5	5	6	5	5	5	5	6	5	5	5	6
	C	5	5	6	5	5	5	5	6	5	5	5	6
	B	5	5	6	5	5	5	5	6	5	5	5	6
	A	5	5	6	5	5	5	5	6	5	5	5	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X70LF	E	2	2	2	2	4	2	2	2	2	2	2	2
	D	2	2	2	2	4	2	2	2	2	2	2	2
	C	2	2	2	2	4	2	2	2	2	2	2	2
	B	2	2	2	2	4	2	2	2	2	2	2	2
	A	2	2	2	2	4	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	9	10	11	12
85853-X74LF	E	2	2	2	2	2	2	2	3	3	2	2	2
	D	2	2	2	2	2	2	2	3	3	2	2	2
	C	2	2	2	2	2	2	2	3	3	2	2	2
	B	2	2	2	2	2	2	2	3	3	2	2	2
	A	2	2	2	2	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	9	10	11	12
85853-X78LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	1	2	2	2	2	2	2	2	2	2	2	2
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X67LF	E	6	6	6	6	6	6	6	6	6	5	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	20	20	20	20
	B	6	6	6	6	6	6	6	6	20	6	6	6
	A	6	6	6	6	6	6	6	6	20	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
85853-X71LF	E	2	2	2	2	2	3	2	2	2	2	2	2
	D	2	2	2	2	2	3	2	2	2	2	2	2
	C	2	2	2	2	2	3	2	2	2	2	2	2
	B	-	-	-	-	2	2	3	2	2	2	2	2
	A	2	2	2	2	2	3	2	2	2	1	3	

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X75LF	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	8	6	8	8	6	8	8	6	8	6	8
	B	6	6	6	6	8	6	6	6	6	6	6	6
	A	6	6	6	6	8	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
85853-X79LF	E	5	5	5	5	5	7	5	5	5	5	5	5
	D	5	5	5	5	5	7	5	5	5	5	5	5
	C	5	5	5	5	5	7	5	5	5	5	5	5
	B	5	5	5	5	5	7	5	5	5	5	5	5
	A	5	5	5	5	5	7	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X68LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	3	3	2	2	2
	C	2	2	2	2	2	2	2	3	3	2	2	2
	B	2	2	2	2	2	2	2	3	3	2	2	2
	A	2	2	2	2	2	2	2	3	3	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X72LF	E	1	4	4	4	4	19	4	2	19	19	19	2
	D	1	4	4	4	4	19	4	2	19	19	19	2
	C	19	4	4	4	4	19	4	2	19	19	19	2
	B	3	4	4	4	4	19	4	2	19	19	19	2
	A	3	4	4	4	4	19	4	2	19	19	19	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X76LF	E	1	1	1	1	1	3	1	1	1	1	1	1
	D	1	1	1	1	1	3	1	1	1	1	1	1
	C	1	1	1	1	1	3	1	1	1	1	1	1
	B	1	1	1	1	1	3	1	1	1	1	1	1
	A	1	1	1	1	1	3	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X80LF	E	5	5	5	5	5	6	5	5	5	5	5	5
	D	5	5	5	5	5	6	5	5	5	5	5	5
	C	5	6	5	6	6	6	5	6	6	6	6	6
	B	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

spec ref	*	dr	Terran Huang	2010/07/09	projection		size	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/06/17		MM	A4	11:10		
ISO 406		chr	-	-			ecn no	ELX-I-41242-1		
ISO 1302		appr	Kuriakose, San	2021/08/16	product family	METRAL	rel level	Released		
surface 3.200	linear	Amphenol FCI	METRAL SIGNAL HEADER			dwg no	85853	rev		
	0.X		±0.3	2 MOD, 5 ROW PRESS-FIT					DA	
	0.XX		±0.13	cat. no.						
ISO 1302	angular	amphenol-icc.com	-			Product - Customer Drw		sheet 7 of 12		
	0°		-			-				

Creo F.14; ELX MC; AEC; REV F; 2020-12-21

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X145	E	7	6	6	6	6	6	6	6	6	6	6	6
	D	7	6	6	6	6	6	6	6	6	6	6	6
	C	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
	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
85853-X146	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	5	5	5	5	5	5	5
	B	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X147	E	6	6	6	6	6	6	6	6	5	6	6	6
	D	6	6	6	6	6	6	6	6	5	6	5	6
	C	6	6	6	6	6	6	6	6	5	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	5

NOTES:

- FOR DIM A AND B SEE SHEET 2 AND UP.
- MATERIAL : BODY : THERMOPLASTIC UL94-V0.
CONTACT : COPPER ALLOY.
- FOR PLATING PREFORMANCE REFER DRAWING # 10159408.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXPLF
- PRODUCT SPECIFICATION GS-12-180
- APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. 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.
- A \triangle SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT REVISION

spec ref	*	dr	Terran Huang	2010/07/09	projection			size	A4	scale	1:10
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Rahul Mohan-M	2021/06/17	ecn no			ELX-I-41242-1			
ISO 406 ISO 1302		chr	-	-	product family			METRAL	rel level	Released	
surface		appr	Kuriakose, San	2021/08/16	product family	METRAL	rel level	Released			
ISO 1302		linear	0.X	±0.3		part no	METRAL SIGNAL HEADER		85853	rev	DA
	angular	0°	±2°	cat. no.		-	Product - Customer Drw		sheet 12 of 12		