

A

B

C

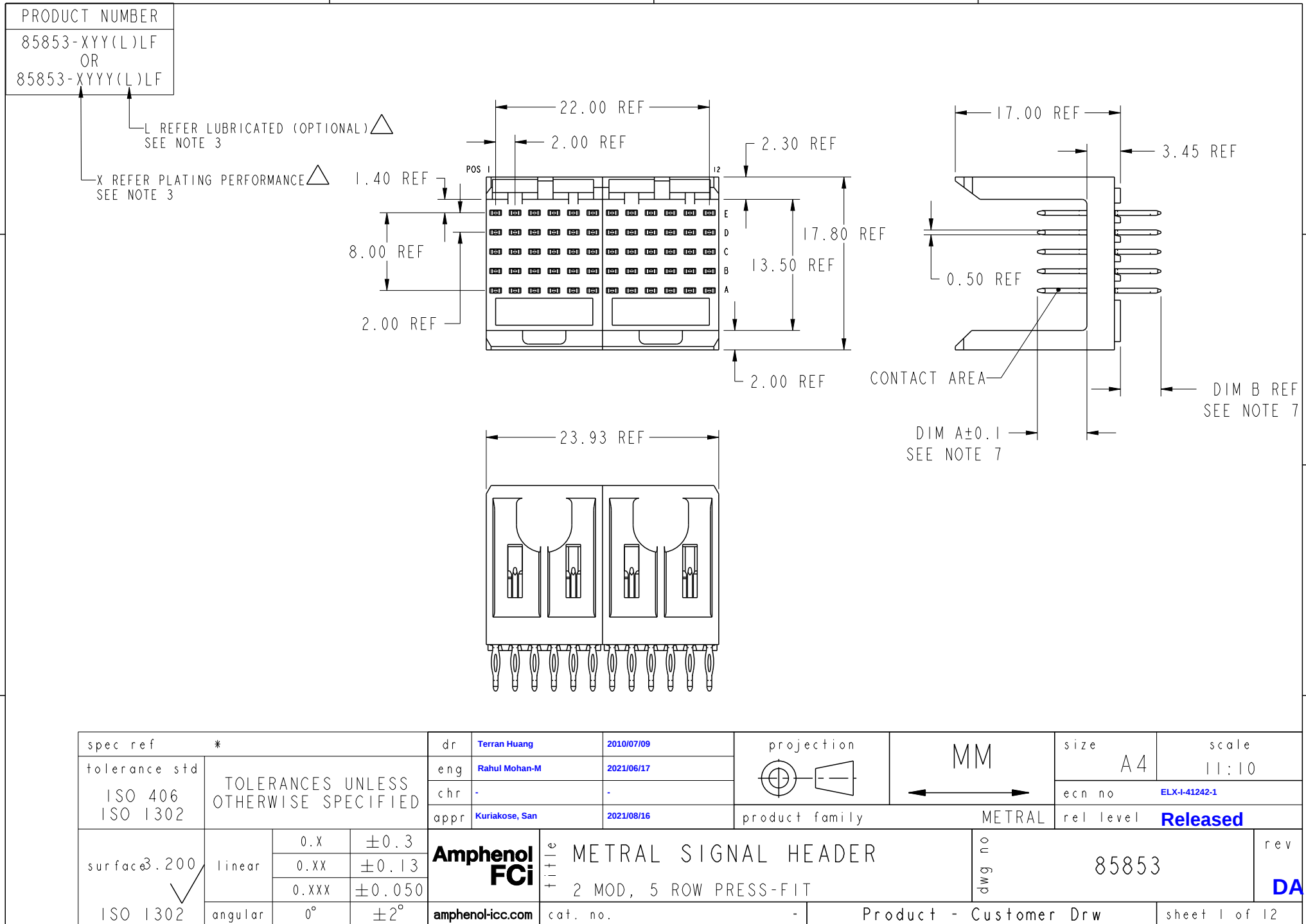
D

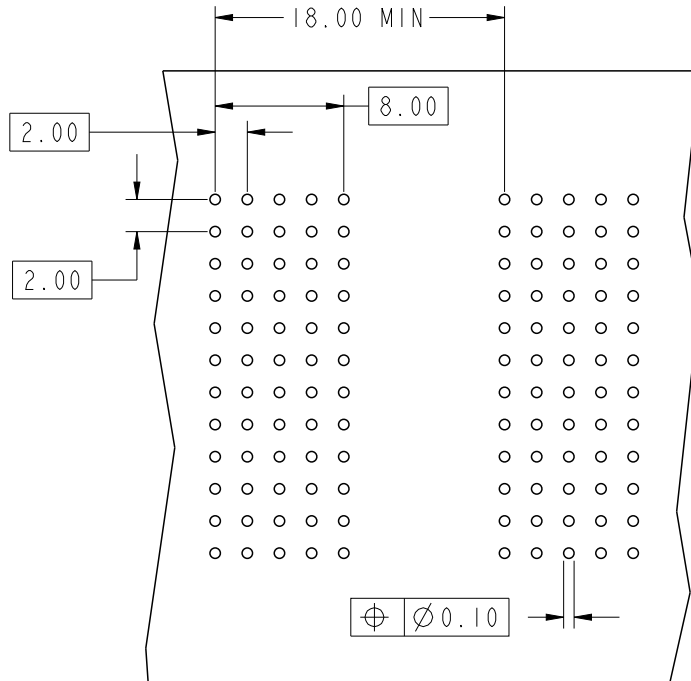
A

B

C

D





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	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/06/17		ecn no	ELX-I-41242-1						
				chr	-	-									
				appr	Kuriakose, San	2021/08/16						product family	METRAL		rel level
surface	3.200	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER				dwg no	85853		rev	DA
			0.XX	±0.13											
			0.XXX	±0.050											
	ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 2 of 12			

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
		1	2	3	4	5	6	7	8	9	10
85853-X01LF	E	2	2	2	2	2	2	2	2	2	2
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	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
		1	2	3	4	5	6	7	8	9	10
85853-X02LF	E	3	3	19	3	3	19	3	3	19	3
	D	3	19	3	3	19	3	3	19	3	3
	C	19	3	3	19	3	3	19	3	3	19
	B	3	3	19	3	3	19	3	3	19	3
	A	3	19	3	3	19	3	3	19	3	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
		1	2	3	4	5	6	7	8	9	10
85853-X03LF	E	19	3	19	3	19	3	19	3	19	3
	D	3	19	3	19	3	19	3	19	3	19
	C	19	3	19	3	19	3	19	3	19	3
	B	3	19	3	19	3	19	3	19	3	19
	A	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
		1	2	3	4	5	6	7	8	9	10
85853-X04LF	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	2	2	2	2	2	2	2	2	2	2

spec ref		*		dr	Terran Huang	2010/07/09			MM	size	A4	scale	11:10	
tolerance std SEE NOTE 10 LEAD FREE OPTION	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1				
				chr	-	-			rel level				Released	
				appr	Kuriakose, San	2021/08/16			product family			METRAL		
surface 3.200		linear	0.X	±0.3	Amphenol FCI		title				dwg no		rev	
ISO 1302	0.XX		±0.13	METRAL SIGNAL HEADER										
	0.XXX		±0.050											2 MOD, 5 ROW PRESS-FIT
angular		0°	±2°	amphenol-icc.com		cat. no.		-		Product - Customer Drw		sheet 3 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-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-X18LF	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	1
	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	4	4	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-X19LF	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	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-X20LF	E	3	2	2	3	4	2	2	3	2	2	2	2
	D	3	2	2	2	2	2	2	2	2	2	3	
	C	3	2	2	2	4	4	4	4	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-X21LF	E	2	2	2	2	2	2	2	2	2	2	19	2
	D	2	2	2	2	2	2	2	2	2	2	19	2
	C	2	2	2	2	2	2	2	2	2	2	19	2
	B	2	2	2	2	2	2	2	2	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-X22LF	E	4	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	19	19	19	2	2	19	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2
	A	4	2	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-X23LF	E	49	49	49	49	49	49	49	49	49	49	49	4
	D	49	49	49	49	49	49	49	49	49	49	49	4
	C	49	49	49	49	49	49	49	49	49	49	49	4
	B	49	49	49	49	49	49	49	49	49	49	49	4
	A	49	49	49	49	49	49	49	49	49	49	49	4

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
	D	6	6	6	6	6	6	6	6	6	6	20	6
	C	6	6	6	6	6	6	6	6	6	6	20	6
	B	6	6	6	6	6	6	6	6	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-X25LF	E	8	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	20	20	20	6	6	20	6	6	6	6	6	6
	B	6	6	6	6	6	8	6	6	6	6	6	6
	A	8	6	6	6	6	8	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-X26LF	E	1	3	3	3	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-X27LF	E	5	7	7	7	7	7	7	7	7	7	7	7
	D	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
	B	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

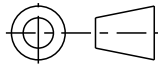
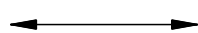
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X28LF	E	2	2	2	2	2	2	2	-	2	-	2
	D	2	2	2	2	2	2	-	-	-	-	-
	C	2	2	2	2	2	2	2	2	2	-	2
	B	2	2	2	2	2	2	-	-	-	-	-
	A	2	2	2	2	2	2	2	-	2	-	2

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

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
	D	-	-	-	-	-	-	4	2	2	2	2	2
	C	2	-	2	-	2	-	4	2	2	2	2	2
	B	-	-	-	-	-	-	4	2	2	2	2	2
	A	2	-	2	-	2	-	4	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
	D	20	7	7	7	7	7	20	7	7	7	6	5
	C	20	7	7	7	7	7	20	7	7	7	6	5
	B	20	7	7	7	7	7	20	7	7	7	6	5
	A	20	7	7	7	7	7	20	7	7	7	6	5

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		-	-						
ISO 1302						appr		Kuriakose, San	2021/08/16		product family	METRAL	rel level	Released	
surface 3.200		linear	0.X	±0.3	Amphenol FCI	title			METRAL SIGNAL HEADER			dwg no	85853	rev	DA
ISO 1302			0.XX	±0.13		2 MOD, 5 ROW PRESS-FIT									
			0.XXX	±0.050											
ISO 1302		angular	0°	±2°	amphenol-icc.com		cat. no.		-		Product - Customer Drw			sheet 4 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-X33LF	E	20	7	7	7	7	7	20	7	7	7	7	7
	D	20	7	7	7	7	7	20	7	7	7	7	7
	C	20	7	7	7	7	7	20	7	7	7	7	7
	B	20	7	7	7	7	7	20	7	7	7	7	7
	A	20	7	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	12
85853-X34LF	E	2	-	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
	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- X35LF	E	19	3	3	3	3	3	19	3	3	3	2	1
	D	19	3	3	3	3	3	19	3	3	3	2	1
	C	19	3	3	3	3	3	19	3	3	3	2	1
	B	19	3	3	3	3	3	19	3	3	3	2	1
	A	19	3	3	3	3	3	19	3	3	3	2	1

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	3	19	3	3	3	3	3
	D	19	3	3	3	3	3	19	3	3	3	3	3
	C	19	3	3	3	3	3	19	3	3	3	3	3
	B	19	3	3	3	3	3	19	3	3	3	3	3
	A	19	3	3	3	3	3	19	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-X37LF	E	1	-	1	-	1	-	1	-	1	-	1	-
	D	-	1	-	1	-	1	-	1	-	1	-	1
	C	1	-	1	-	1	-	1	-	1	-	1	-
	B	-	1	-	1	-	1	-	1	-	1	-	1
	A	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-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-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-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-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-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-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-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-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-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-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-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	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					
				chr	-	-									
				appr	Kuriakose, San	2021/08/16						product family	METRAL		rel level
surface	3.200	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER				dwg no	85853		rev	DA
			0.XX	±0.13											
			0.XXX	±0.050											
ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 5 of 12				

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-X49LF	E	1	1	1	1	1	1	2	2	2	2	2	2
	D	1	1	1	1	1	1	2	2	2	2	2	2
	C	1	1	2	2	2	2	1	1	1	1	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-X50LF	E	5	5	5	5	5	5	2	2	2	2	2	2
	D	5	5	5	5	5	5	2	2	2	2	2	2
	C	5	5	6	6	6	6	1	1	1	1	1	1
	B	5	5	5	5	5	5	1	1	1	1	1	1
	A	5	5	5	5	5	5	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-X51LF	E	5	5	5	5	5	5	6	6	6	6	6	6
	D	5	5	5	5	5	5	6	6	6	6	6	6
	C	5	5	6	6	6	6	5	5	5	5	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-X52LF	E	1	1	1	1	1	1	19	19	19	19	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	19	19	19	19	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	19	19	19	19	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-X53LF	E	-	1	1	-	-	-	-	-	-	1	1	1
	D	-	1	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	12
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	12
85853-X55LF	E	2	19	19	19	19	19	19	19	19	19	19	19
	D	2	19	19	19	19	19	19	19	19	19	19	19
	C	2	19	19	19	19	19	19	19	19	19	19	19
	B	2	19	19	19	19	19	19	19	19	19	19	19
	A	2	19	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	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-X57LF	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
85853-X58LF	E	-	1	1	-	-	-	-	-	-	1	
	D	-	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
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-X60LF	E	2	2	2	19	-	19	-	2	-	2	-	
	D	2	2	2	19	-	19	-	2	-	2	-	
	C	2	2	2	19	-	19	-	2	-	2	-	
	B	2	2	2	19	-	19	-	2	-	2	-	
	A	2	2	2	19	-	19	-	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-X61LF	E	19	2	2	2	2	2	2	2	2	2	2	2
	D	19	2	2	2	2	2	2	2	2	2	2	2
	C	19	2	2	2	2	2	2	2	2	2	2	2
	B	19	2	2	2	2	2	2	2	2	2	2	2
	A	19	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	12
85853-X63LF	E	20	6	6	6	6	6	6	6	6	6	6	6
	D	20	6	6	6	6	6	6	6	6	6	6	6
	C	20	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	20	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-X64LF	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	-	-	-	-	2	2	-	-	-	-	2
	A	2	-	2	-	-	2	2	-	2	-	-	2

spec ref	*	dr	Terran Huang	2010/07/09	projection	MM	size	A4	scale	1:10
tolerance std	ISO 406 ISO 1302	eng	Rahul Mohan-M	2021/06/17			ecn no	ELX-I-41242-1		
		chr	-	-			rel level	Released		
		appr	Kuriakose, San	2021/08/16	product family	METRAL				

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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-X66LF	E	5	5	6	5	5	5	5	5	6	5	5	6
	D	5	5	6	5	5	5	5	5	6	5	5	6
	C	5	5	6	5	5	5	5	5	6	5	5	6
	B	5	5	6	5	5	5	5	5	6	5	5	6
	A	5	5	6	5	5	5	5	5	6	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-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	6	20	20	20
	B	6	6	6	6	6	6	6	6	6	20	6	6
	A	6	6	6	6	6	6	6	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-X68LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	3	3	2	2
	C	2	2	2	2	2	2	2	2	3	3	2	2
	B	2	2	2	2	2	2	2	2	3	3	2	2
	A	2	2	2	2	2	2	2	2	3	3	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-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	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-X70LF	E	2	2	2	2	2	4	2	2	2	2	2	2
	D	2	2	2	2	2	4	2	2	2	2	2	2
	C	2	2	2	2	2	4	2	2	2	2	2	2
	B	2	2	2	2	2	4	2	2	2	2	2	2
	A	2	2	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-X71LF	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	3	2	2	2	2	2
	A	2	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-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-X73LF	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	1	1	6	1	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-X74LF	E	2	2	2	2	2	2	2	2	3	3	2	2
	D	2	2	2	2	2	2	2	2	3	3	2	2
	C	2	2	2	2	2	2	2	2	3	3	2	2
	B	2	2	2	2	2	2	2	2	3	3	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-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	8	6	8	6
	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-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-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	
85853-X78LF	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	1	2	2	2	2	2	2	2	2	2	2	
	B	2	2	2	2	2	2	2	2	2	2	2	
	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-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
85853-X80LF	E	5	5	5	5	5	6	5	5	5	5	5
	D	5	5	5	5	5	6	5	5	5	5	5
	C	5	6	5	6	6	6	5	5	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6

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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X81LF	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	5	6	6	5	6	6	5	6	5
	B	5	5	5	5	5	6	5	5	5	6
	A	5	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
85853-X82LF	E	1	1	1	1	1	1	1	1	1	-
	D	1	1	1	1	1	1	1	1	1	-
	C	1	1	1	1	1	1	1	1	1	-
	B	1	1	1	1	1	1	1	1	1	-
	A	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
85853-X83LF	E	2	-	2	-	2	-	2	-	2	-
	D	-	2	-	-	2	-	-	2	-	-
	C	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	-	2	-	-	2	-	4
	A	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
85853-X84LF	E	-	-	4	4	4	4	4	4	4	-
	D	-	-	4	4	4	4	4	2	4	-
	C	-	-	4	2	2	4	4	4	4	-
	B	-	-	4	4	4	4	4	2	4	-
	A	-	-	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
85853-X85LF	E	2	-	2	-	2	-	2	-	2	-
	D	-	-	-	-	-	-	-	2	2	-
	C	2	2	2	-	2	2	-	2	2	-
	B	2	2	2	-	2	2	-	2	2	-
	A	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
85853-X86LF	E	3	3	3	3	3	3	1	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3
	A	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
85853-X87LF	E	1	1	1	1	1	1	1	1	-	1
	D	1	1	1	1	1	1	1	1	-	1
	C	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

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X88LF	E	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	-	1	1	1
	C	1	1	1	1	1	-	1	-	-	1
	B	3	3	3	3	3	-	3	-	3	3
	A	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
85853-X89LF	E	19	19	19	19	19	-	3	19	19	19
	D	3	3	3	3	3	-	3	-	3	-
	C	1	1	1	1	1	-	-	-	-	-
	B	1	1	1	1	1	1	1	1	1	1
	A	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
85853-X90LF	E	3	-	3	3	3	3	3	3	3	3
	D	3	-	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	3	3
	A	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
85853-X91LF	E	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3
	C	1	3	3	3	3	3	3	3	3	1
	B	3	3	3	3	3	3	3	3	3	3
	A	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
85853-X92LF	E	-	5	5	-	5	5	-	5	5	-
	D	-	5	5	-	5	5	-	5	5	-
	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. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X93LF	E	8	6	6	6	6	6	6	6	6	6
	D	8	6	6	6	5	6	6	6	6	6
	C	8	6	6	6	6	6	6	6	6	6
	B	8	6	6	6	6	6	6	6	6	6
	A	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
85853-X94LF	E	2	2	2	2	2	2	2	2	2	4
	D	2	2	2	2	2	2	2	2	2	4
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X95LF	E	-	1	1	-	1	1	-	1	1	-
	D	-	1	1	-	1	1	-	1	1	-
	C	-	1	1	-	1	1	-	1	1	-
	B	-	1	1	-	1	1	-	1	1	-
	A	-	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
85853-X96LF	E	2	-	2	-	2	-	2	-	2	-
	D	-	2	-	2	-	2	-	2	-	2
	C	2	-	2	-	2	-	2	-	2	-
	B	-	2	-	2	-	2	-	2	-	2
	A	2	-	2	-	2	-	2	-	2	-

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 ISO 1302						chr			-	-		rel level			Released		
				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	85853		rev	DA
				0.XX	±0.13												
				0.XXX	±0.050												
ISO 1302		angular	0°	±2°	amphenol-icc.com		cat. no.			-			Product - Customer Drw			sheet 8 of 12	

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-X97LF	E	2	2	2	2	4	2	2	2	2	2	2	2
	D	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
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	1	2	2	2	2	2	2	2	2	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X98LF	E	19	1	2	2	1	2	2	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X99LF	E	2	1	2	2	1	2	2	2	2	2	2	19
	D	2	2	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	19
	B	2	2	2	2	2	2	2	2	2	2	2	19
	A	2	1	2	2	2	2	2	2	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X100LF	E	2	2	2	2	1	1	1	2	2	2	2	2
	D	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
	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-X101LF	E	6	6	6	8	20	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	20	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-X102LF	E	4	4	3	4	3	4	4	4	3	4	3	4
	D	4	4	3	4	3	4	4	4	3	4	3	4
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	2	4	2	4	4	4	2	4	2	4
	A	4	4	2	4	2	4	4	4	2	4	2	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X103LF	E	3	3	3	4	3	4	3	4	3	3	3	3
	D	3	3	3	4	3	4	3	4	3	3	3	3
	C	3	3	3	4	2	4	2	4	3	3	3	3
	B	3	3	3	4	2	4	2	4	3	3	3	3
	A	3	3	3	4	2	4	2	4	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-X104LF	E	3	3	3	3	3	2	3	3	3	3	3	3
	D	3	3	3	3	3	2	3	3	3	3	3	3
	C	3	3	3	3	3	2	3	3	3	3	3	3
	B	3	3	3	3	3	2	3	3	3	3	3	3
	A	3	3	3	3	3	2	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-X105LF	E	2	2	2	3	3	3	3	3	3	3	3	3
	D	2	2	2	3	3	3	3	3	3	3	3	3
	C	2	2	2	3	3	3	3	3	3	3	3	3
	B	2	2	2	3	3	3	3	3	3	3	3	3
	A	2	2	2	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-X106LF	E	3	7	7	7	7	7	8	7	8	7	7	3
	D	3	7	7	7	7	7	8	7	8	7	7	3
	C	3	7	7	7	7	7	8	7	8	7	7	3
	B	3	7	7	7	7	7	8	7	8	7	7	3
	A	3	7	7	7	7	7	8	7	8	7	7	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
85853-X107LF	E	3	8	7	7	7	7	7	7	7	7	7	
	D	3	8	7	7	7	7	7	7	7	7	7	
	C	3	8	7	7	7	7	7	7	7	7	7	
	B	3	8	7	7	7	7	7	7	7	7	7	
	A	3	8	7	7	7	7	7	7	7	7	7	

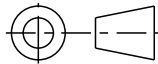
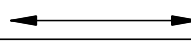
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
85853-X108LF	E	7	8	7	8	7	8	7	8	7	8	5
	D	7	8	7	8	7	8	7	8	7	8	5
	C	8	8	8	8	8	8	8	8	8	8	5
	B	6	8	6	8	6	8	6	8	6	8	5
	A	6	8	6	8	6	8	6	8	6	8	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X109LF	E	19	1	2	2	1	2	2	2	2	2	2	19
	D	1	2	2	2	2	2	2	2	2	2	2	19
	C	2	2	2	2	2	2	2	2	2	2	2	19
	B	19	2	2	2	2	2	2	2	2	2	2	19
	A	1	1	2	2	2	2	2	2	2	2	2	19

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X110LF	E	-	2	-	2	-	2	-	2	-	2	-	2
	D	2	-	2	-	2	-	2	-	2	-	2	-
	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. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X111LF	E	5	5	6	5	5	5	5	5	5	5	5	5
	D	5	5	6	5	5	5	6	6	6	6	6	6
	C	6	6	6	5	5	5	6	6	6	6	6	6
	B	5	5	5	5	5	5	6	6	6	6	6	6
	A	6	6	6	6	6	6	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-X112LF	E	1	1	1	1	1	2	1	1	1	1	1	1
	D	1	1	1	1	1	2	1	1	1	1	1	1
	C	1	1	2	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	2	1	1	1	1	1
	A	1	1	1	1	1	1	2	2	1	1	1	1

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						
				chr	-	-										
				appr	Kuriakose, San	2021/08/16				product family		METRAL	rel level	Released		
surface	3.200	✓	linear	0.X	±0.3	Amphenol FCI	title	METRAL SIGNAL HEADER				dwg no	85853		rev	DA
				0.XX	±0.13											
				0.XXX	±0.050											
ISO 1302	angular	0°	±2°	amphenol-icc.com		cat. no.	-	Product - Customer Drw				sheet 9 of 12				

A

B

C

D

2

3

4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X113LF	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	4	2	2	4	2	2	4	3	3	4	3	3
	C	2	2	4	2	2	4	3	3	4	3	3	3
	B	2	4	2	2	4	3	3	4	3	3	3	3
	A	2	2	2	2	2	2	2	2	2	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	
85853-X114LF	E	3	3	3	3	4	3	3	3	3	4	3	3	3
	D	3	3	3	3	3	3	3	3	3	4	3	3	3
	C	3	3	3	3	3	3	3	3	3	4	3	3	3
	B	3	3	3	3	3	3	3	3	3	4	3	3	3
	A	3	3	3	3	3	3	3	3	3	4	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-X115LF	E	2	2	1	2	2	2	2	2	2	2	2	2
	D	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
	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-X116LF	E	6	6	7	7	6	6	6	7	7	6	8	8
	D	6	6	7	7	6	6	6	7	7	6	8	8
	C	6	6	7	7	6	6	6	7	7	6	8	8
	B	6	6	7	7	6	6	6	7	7	6	8	8
	A	6	6	7	7	6	6	6	7	7	6	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X117LF	E	64	-	64	-	64	-	64	-	64	-	64	-
	D	-	64	-	64	-	64	-	64	-	64	-	64
	C	64	-	64	-	64	-	64	-	64	-	64	-
	B	-	64	-	64	-	64	-	64	-	64	-	64
	A	64	-	64	-	64	-	64	-	64	-	64	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X118LF	E	6	-	6	-	6	-	6	-	6	-	6	-
	D	-	6	-	6	-	6	-	6	-	6	-	6
	C	6	-	6	-	6	-	6	-	6	-	6	-
	B	-	6	-	6	-	6	-	6	-	6	-	6
	A	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-X119LF	E	4	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	4	4	2	2	2	2	2	2	2	2
	C	19	2	19	2	2	19	2	2	2	2	2	2
	B	2	2	2	4	2	4	2	2	2	2	2	2
	A	4	2	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-X120LF	E	2	2	2	2	2	2	2	2	2	2	19	2
	D	2	2	2	2	2	2	2	2	2	2	19	2
	C	2	2	2	2	2	2	2	2	2	2	19	2
	B	2	2	2	2	2	2	2	2	2	2	19	2
	A	2	2	4	4	2	4	2	4	2	4	19	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X121LF	E	6	6	6	6	6	6	6	6	6	6	8	5
	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-X122LF	E	2	2	2	2	4	2	2	2	2	2	3	4	4
	D	2	2	2	2	2	2	2	2	2	2	4	4	4
	C	2	2	2	2	2	2	2	4	4	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	4	4
	A	2	2	2	2	2	2	2	2	1	2	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-X123LF	E	2	2	2	2	2	2	2	2	2	2	4	1
	D	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
	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-X124LF	E	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
	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	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-X125LF	E	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
	C	19	19	19	19	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	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-X126LF	E	2	6	6	6	6	6	2	2	2	2	2	2
	D	2	6	6	6	6	6	2	2	2	2	2	2
	C	2	6	6	6	6	6	2	2	2	2	2	2
	B	2	6	6	6	21	6	2	2	2	2	2	2
	A	2	6	6	6	6	6	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-X127LF	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	19	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-X128LF	E	2	2	2	2	2	2	2	2	2	3	19	19
	D	2	2	2	2	2	2	2	2	2	2	19	19
	C	2	2	2	2	2	2	2	19	19	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	19	19
	A	2	2	2	2	2	2	2	2	1	2	19	19

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 ISO 1302				chr		-		-						product family		METRAL		rel level		Released													
surface		3.200		linear		0.X		±0.3		Amphenol FCI		title		METRAL SIGNAL HEADER		dwg no		85853		rev		DA											
				0.XX		±0.13																											
ISO 1302		angular		0°		±2°																											
						amphenol-icc.com		cat. no.				Product - Customer Drw				sheet 10 of 12																	

A

B

C

D

2

2

3

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-X129	E	2	2	2	2	2	2	2	2	2	2	3	1
	D	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
	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-X130	E	6	6	6	6	6	6	6	6	6	6	7	5
	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-X131	E	9	-	9	-	9	-	9	-	9	-	9	-
	D	9	-	9	-	9	-	9	-	9	-	9	-
	C	-	-	-	-	-	-	-	-	-	-	-	-
	B	9	-	9	-	9	-	9	-	9	-	9	-
	A	9	-	9	-	9	-	9	-	9	-	9	-

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X132	E	6	6	6	6	5	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	6	6	6	6	6	6	6	6
	B	5	5	5	5	5	5	6	6	6	6	6	6
	A	5	5	5	5	5	5	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-X133	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	6	6	6	6	6	6	6	6
	B	7	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-X134	E	2	2	2	2	2	2	1	1	2	2	3	3
	D	2	2	2	2	2	2	1	1	2	2	3	3
	C	2	2	2	2	2	2	1	1	2	2	3	3
	B	2	2	2	2	2	2	1	1	2	2	3	3
	A	2	2	2	2	2	2	1	1	2	2	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-X135	E	2	2	2	2	2	1	1	1	1	1	1	1
	D	2	2	2	2	2	1	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	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-X136	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	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
	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-X137	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	2	2	2	2	2	2	2	2	2	2	2	2
	B	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-X138	E	2	2	2	3	2	2	2	3	2	3	2	2
	D	2	2	2	3	2	2	2	3	2	3	2	2
	C	2	2	2	2	3	2	2	2	2	3	2	2
	B	2	2	2	2	2	2	3	2	2	3	2	2
	A	2	2	2	2	2	1	2	2	2	3	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-X139	E	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
	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	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-X140	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	2	2	2	2	2	4	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-X141	E	64	64	64	64	64	64	64	64	64	64	64	64
	D	64	64	64	64	64	64	64	64	64	64	64	64
	C	67	64	64	64	64	64	67	64	64	64	64	64
	B	64	64	64	64	64	64	64	64	64	64	64	64
	A	64	64	64	64	64	64	64	64	64	64	64	64

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
85853-X142	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	2	2	2	2	2	2	2	2	2	1	2	1
	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-X143	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	1	2
	C	2	2	2	2	2	2	2	2	2	2	1	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-X144	E	2	2	2	2	2	1	2	2	2	2	2	2
	D	2	2	2	2	2	1	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	1	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

spec ref	*	dr	Terran Huang	2010/07/09		MM
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
85853-X145	E	7	6	6	6	6	6	6	6	6	6
	D	7	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	7	6	6	6	6	6	6	6	6	6
	A	7	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
85853-X146	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	7	6	6	6	6	5	5	5	5	5
	B	6	6	6	6	6	6	6	6	6	6
	A	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
85853-X147	E	6	6	6	6	6	6	6	6	5	6
	D	6	6	6	6	6	6	6	6	5	6
	C	6	6	6	6	6	6	6	6	5	6
	B	6	6	6	6	6	6	6	6	6	6
	A	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 PERFORMANCE 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  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 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 ISO 1302						chr		-				-		rel level				Released									
				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		85853				rev		DA	
0.XX				±0.13																							
0.XXX				±0.050																							
ISO 1302		angular		0°		±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw				sheet 12 of 12									