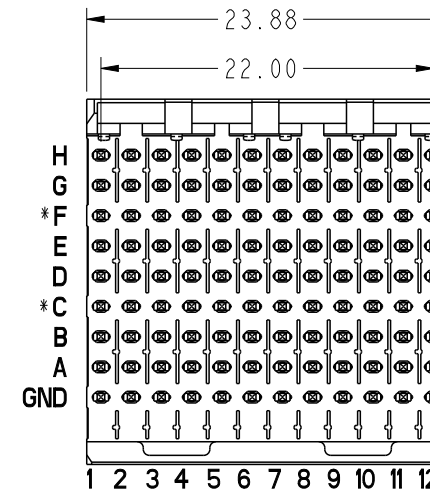
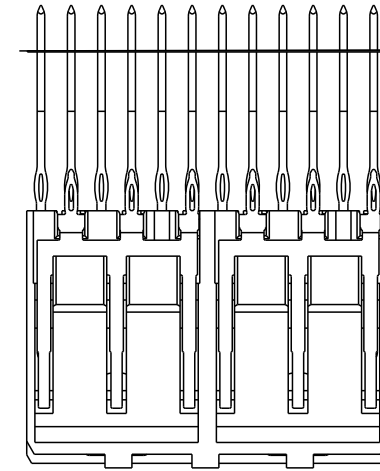
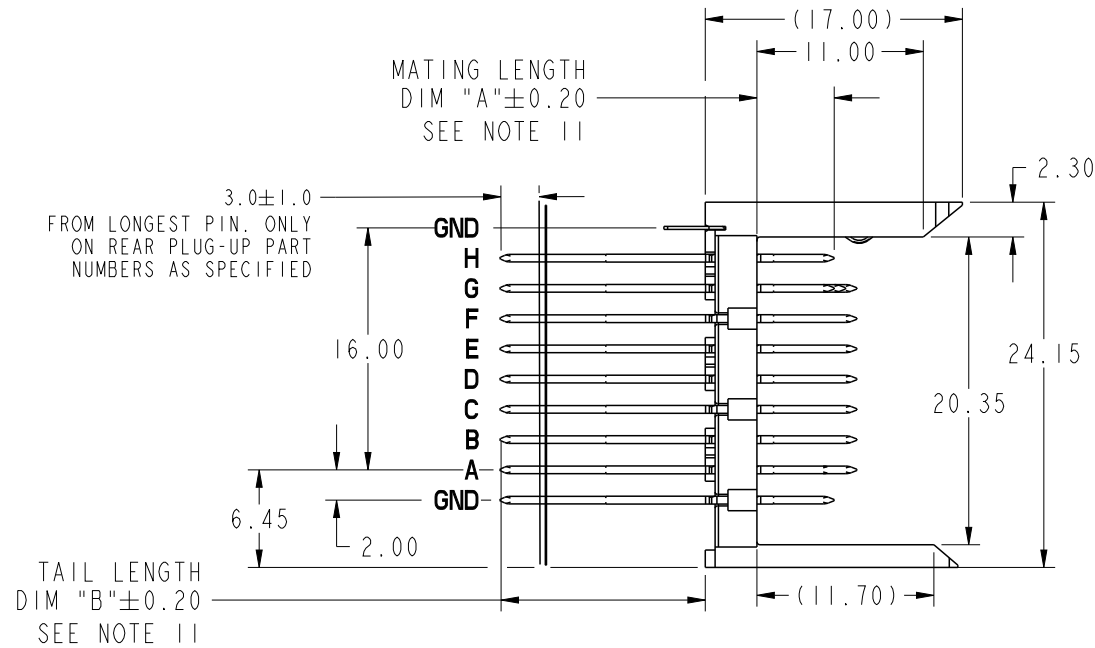


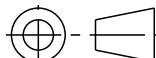
PRODUCT NUMBER	FOR REAR PLUG-UP APPLICATIONS USE SHROUD
63784-XXXX(L)LF	84625-X02LF

X REFER PLATING PERFORMANCE
SEE NOTE 3

L REFER LUBRICATED (OPTIONAL)
REFER NOTE 6

X REFER PLATING PERFORMANCE
SEE NOTE 6



spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1			
				chr	-	-							
				appr	Kuriakose, San	2022/03/04			product family		METRAL 1000	rel level	
surface	linear	0.X	±0.3	Amphenol FCI	title				VERTICAL SIGNAL HDR 8 ROW	dwg no	63784	rev	AP
		0.XX	±0.13										
		0.XXX	±0.050										
	ISO 1302	angular	0°	±2°	cat. no.		Product - Customer Drw				sheet 1 of 10		

Creo File:ELX-MC-AAC,REV F,2020-12-21

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH	
			WHEN MATING TO A 74981 SERIES RECEPTACLE	
			ROWS A,B, C,D,E,F,G & H	GROUND ROW
01*	5.00	4.30	1.60 MIN	1.60 MIN
22		12.20	2.95 - 3.80	2.95 - 4.20
30		12.95	2.95 - 4.55	3.25 - 4.95
05		13.70	2.95 - 5.30	4.00 - 5.70
35		14.45	3.05 - 6.05	4.75 - 6.45
48		15.20	3.80 - 6.80	5.50 - 7.20
40		15.70	4.30 - 7.30	6.00 - 7.70
65		16.40	5.00 - 8.00	6.70 - 8.40
09		17.10	5.70 - 8.70	7.40 - 9.10
02*	5.75	4.30	1.60 MIN	1.60 MIN
44		12.20	2.95 - 3.80	2.95 - 4.20
31		12.95	2.95 - 4.55	3.25 - 4.95
06		13.70	2.95 - 5.30	4.00 - 5.70
36		14.45	3.05 - 6.05	4.75 - 6.45
49		15.20	3.80 - 6.80	5.50 - 7.20
25		15.70	4.30 - 7.30	6.00 - 7.70
66		16.40	5.00 - 8.00	6.70 - 8.40
10		17.10	5.70 - 8.70	7.40 - 9.10
03*	6.50	4.30	1.60 MIN	1.60 MIN
45		12.20	2.95 - 3.80	2.95 - 4.20
32		12.95	2.95 - 4.55	3.25 - 4.95
07		13.70	2.95 - 5.30	4.00 - 5.70
37		14.45	3.05 - 6.05	4.75 - 6.45
50		15.20	3.80 - 6.80	5.50 - 7.20
41		15.70	4.30 - 7.30	6.00 - 7.70
24		16.40	5.00 - 8.00	6.70 - 8.40
11		17.10	5.70 - 8.70	7.40 - 9.10

PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH	
			WHEN MATING TO A 74981 SERIES RECEPTACLE	
			ROWS A,B,C, D,E,F,G & H	GROUND ROW
04*	7.25	4.30	1.60 MIN	1.60 MIN
46		12.20	2.95 - 3.80	2.95 - 4.20
33		12.95	2.95 - 4.55	3.25 - 4.95
08		13.70	2.95 - 5.30	4.00 - 5.70
38		14.45	3.05 - 6.05	4.75 - 6.45
51		15.20	3.80 - 6.80	5.50 - 7.20
42		15.70	4.30 - 7.30	6.00 - 7.70
67		16.40	5.00 - 8.00	6.70 - 8.40
12		17.10	5.70 - 8.70	7.40 - 9.10
19*	8.00	4.30	1.60 MIN	1.60 MIN
47		12.20	2.95 - 3.80	2.95 - 4.20
34		12.95	2.95 - 4.55	3.25 - 4.95
20		13.70	2.95 - 5.30	4.00 - 5.70
39		14.45	3.05 - 6.05	4.75 - 6.45
52		15.20	3.80 - 6.80	5.50 - 7.20
43		15.70	4.30 - 7.30	6.00 - 7.70
68		16.40	5.00 - 8.00	6.70 - 8.40
21		17.10	5.70 - 8.70	7.40 - 9.10

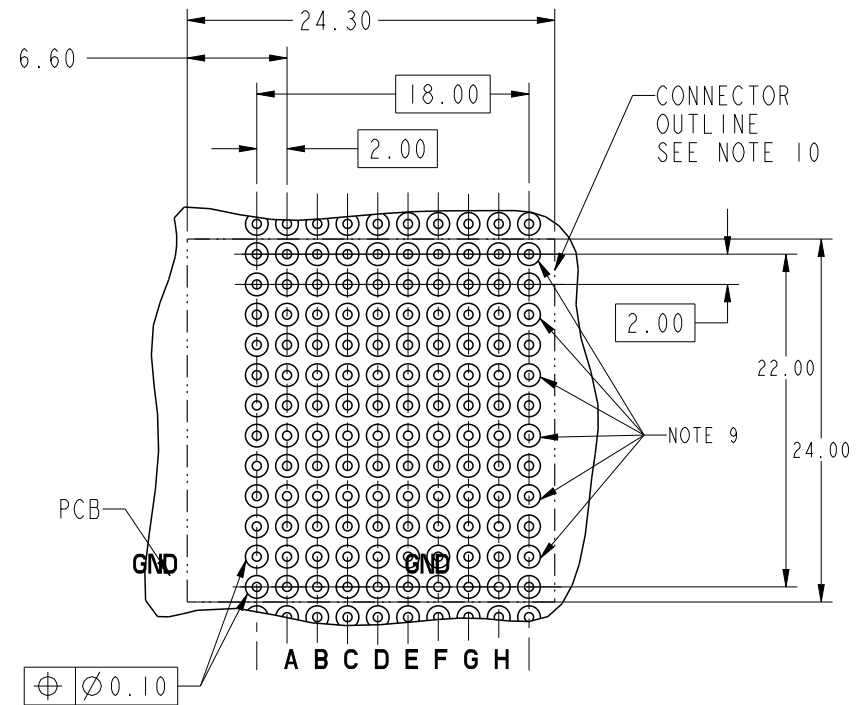
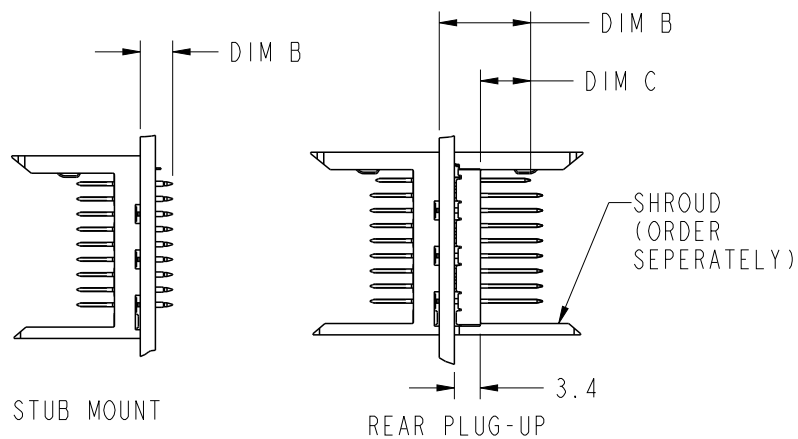
* STUB PINS - NO REAR PLUG-UP

** THE GREATEST RANGE OCCURS WHEN THE B DIMENSION OF
PIN 'GND' IS ONE SIZE SHORTER THEN THE OTHER PINS.

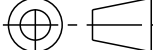
spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	1:1		
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1				
				chr	-	-			rel level	Released				
				appr	Kuriakose, San	2022/03/04	product family		METRAL 1000					
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	VERTICAL SIGNAL HDR 8 ROW				dwg no	63784		rev	AP
		0.XX	±0.13											
		0.XXX	±0.050			P.F. 96 POS. SELECT LOAD EXT.								
		angular	0°	±2°	cat. no.		Product - Customer Drw				sheet 2 of 10			

PRODUCT NUMBER

SEE SHEET 1



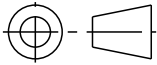
RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
FOR PTH DETAILS REFER DRAWING 58351

spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection  MM 	size	A4	scale	1:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03		ecn no	ELX-I-43998-1					
				chr	-	-								
ISO 406				appr	Kuriakose, San	2022/03/04	product family			rel level	Released			
ISO 1101														
surface	linear	0.X	±0.3	Amphenol FCI	title			VERTICAL SIGNAL HDR 8 ROW			dwg no	63784		rev
		0.XX	±0.13											
		0.XXX	±0.050											
	ISO 1302	angular	0°	±2°				cat. no.			Product - Customer Drw		sheet 3 of 10	
													AP	

Crea File:ELX-MC-AAC,REV F,2020-12-21

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CIRCUIT BOARD DESIGN CONSIDERATIONS, REPAIR PROCEDURES AND PRODUCT OFFERINGS.
2. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR DIFFERENTIAL APPLICATIONS."
3. SEE FCI PUBLICATION 950511-028 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994
5. MATERIAL : BODY : THERMOPLASTIC UL94-V0.
: CONTACT : COPPER ALLOY.
6. FOR PLATING PERFORMANCE REFER DRAWING # 10159408.
7. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
FOR MATING WITH METRAL 1000 RECEPTACLES
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-H
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROWS A-H
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
FOR MATING WITH METRAL 4000 RECEPTACLES
DIM A : 5.00mm MIN, 6.50mm MAX FOR ROWS A, B, D, E, G & H
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C & F
DIM A : 5.00mm MIN, 5.75mm MAX FOR ROW GND NEXT TO ROW A
DIM C : 5.00mm MIN, 7.00mm MAX FOR ROWS A, B, D, E, G & H
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C & F
DIM C : 4.60mm MIN, 6.30mm MAX FOR ROW GND NEXT TO ROW A
8. THE MIN PCB THICKNESS FOR REAR PLUG-UP APPLICATIONS IS 2.9mm SINCE THE COMPLIANT SECTIONS OF THE GROUND SPRING OF THE HEADER DIRECTLY OPPOSE THE GROUND SPRING OF THE SHROUD. THE MIN PCB THICKNESS FOR FRONT PLUG-UP ONLY APPLICATIONS IS 1.6mm.
9. THESE HOLES ARE NEEDED FOR REAR PLUG-UP DESIGNS USING A SHROUD AND MAY BE OMITTED FOR FRONT PLUG-UP ONLY DESIGNS.
10. THE 'CONNECTOR OUTLINE' IS THE MIN OUTLINE REQUIRED. TO DETERMINE THE OUTLINE NECESSARY TO PERMIT THE VARIOUS TYPES OF REPAIR OPERATIONS, SEE APPLICATION SPECIFICATION GS-20-010.
11. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
11. THE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
13. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
14. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref	-	dr	P-Mathew Nebu	2011/05/20	projection		size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1		
ISO 406		chr	-	-			rel level	Released		
ISO 1101		appr	Kuriakose, San	2022/03/04	product family					
surface	linear				title	VERTICAL SIGNAL HDR 8 ROW	dwg no	63784	rev	AP
						P.F. 96 POS. SELECT LOAD EXT.				
ISO 1302	angular				cat. no.	Product - Customer Drw			sheet 4 of 10	

Crea File:ELX-MC-AAC,REV F,2020-12-21

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X001LF	H	01	01	01	01	01	01	01	01	01	01	01	01
	G	01	01	01	01	01	01	01	03	03	03	01	19
	F	01	01	01	01	01	19	01	01	01	01	01	19
	E	01	01	01	01	01	19	01	03	03	03	01	19
	D	01	01	01	01	01	19	01	01	01	01	01	19
	C	01	01	01	01	01	19	01	01	01	01	01	19
	B	01	01	01	01	01	19	01	01	01	01	01	19
	A	01	01	01	01	01	01	01	01	01	01	01	19
	GND	01	01	01	01	01	01	01	01	01	01	01	01

CANNOT BE MATED
TO A METRAL 4000
RECEPTACLE

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X002LF RPU	H	05	05	05	05	05	05	05	05	05	05	05	05
	G	05	05	05	05	05	05	05	05	05	05	05	05
	F	05	05	05	05	05	05	05	05	05	05	05	05
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	01	01	01	01	01	01	01	01	01	01	01	01
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 2.95
-5.30 WHEN MATED TO
METRAL 1000 RECEPT.
AND 3.30-5.30 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X003LF RPU	H	01	01	01	01	01	01	01	01	01	01	01	01
	G	01	01	01	01	01	01	01	01	01	01	01	01
	F	01	01	01	01	01	01	01	01	01	01	01	01
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	05	05	05	05	05	05	05	05	05	05	05	05
	C	05	05	05	05	05	05	05	05	05	05	05	05
	B	05	05	05	05	05	05	05	05	05	05	05	05
	A	05	05	05	05	05	05	05	05	05	05	05	05
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 2.95
-5.30 WHEN MATED TO
METRAL 1000 RECEPT.
AND 3.30-5.30 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X004LF	H	01	01	01	01	01	01	01	01	01	01	01	01
	G	01	01	01	01	01	01	03	03	03	03	01	19
	F	01	01	01	01	01	01	01	01	01	01	01	19
	E	01	01	01	01	01	01	03	03	03	03	01	19
	D	01	01	01	01	01	01	01	01	01	01	01	19
	C	01	01	01	01	01	01	01	01	01	01	01	19
	B	01	01	01	01	01	01	01	01	01	01	01	19
	A	01	01	01	01	01	01	01	01	01	01	01	19
	GND	01	01	01	01	01	01	01	01	01	01	01	01

CANNOT BE MATED
TO A METRAL 4000
RECEPTACLE

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X005LF RPU	H	05	05	05	05	05	05	01	01	01	01	01	01
	G	05	05	05	05	05	05	01	01	01	01	01	01
	F	05	05	05	05	05	05	01	01	01	01	01	01
	E	05	05	05	05	05	05	01	01	01	01	01	01
	D	01	01	01	01	01	01	01	01	01	01	01	01
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR
PLUG UP
APPLICATIONS,
PCB THK
RANGE: 2.95-5.30
WHEN MATED TO
METRAL 1000
RECEPT. AND
3.30-5.30 WHEN
MATED TO
METRAL 4000
RECEPT.
(2.30 MIN
IN NON-
STANDARD
REAR PLUG-UP
APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X006LF RPU	H	05	05	05	05	05	05	05	05	05	05	05	05
	G	05	05	05	05	05	05	05	05	05	05	05	05
	F	05	05	05	05	05	05	05	05	05	05	05	05
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 2.95
-5.30 WHEN MATED TO
METRAL 1000 RECEPT.
AND THIS CONFIGURATION
CANNOT BE MATED TO A
METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X007LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	03	01	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	03
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X008LF	H	02	02	02	02	02	02	02	01	01	01	01	01
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection	MM	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1			
				chr	-	-							
ISO 406				appr	Kuriakose, San	2022/03/04	product family			rel level	Released		
ISO 1101													
surface	✓	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR 8 ROW			dwg no	63784		rev
			0.XX	±0.13									
			0.XXX	±0.050									
ISO 1302		angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 5 of 10			
										AP			

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X009LF RPU	H	49	49	49	49	49	49	49	49	49	49	49	49
	G	49	49	49	49	49	49	49	49	49	49	49	49
	F	49	49	49	49	49	49	49	49	49	49	49	49
	E	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
	C	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
	A	35	49	49	49	49	49	49	49	49	49	49	49
	GND	36	36	36	36	36	36	36	36	36	36	36	36

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 4.75
-6.05 WHEN MATED TO
METRAL 1000 RECEPT.
AND 4.80-6.05 WHEN MATED
TO METRAL 4000 RECEPT.

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X010LF	H	02	02	02	02	02	02	02	01	02	02	02	02
	G	02	02	02	02	02	02	02	01	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	01	02	02	02	02
	D	02	02	02	02	02	02	02	01	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	01	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X011LF	H	02	03	03	03	03	03	03	03	03	03	03	03
	G	03	03	03	03	03	03	03	03	03	03	03	02
	F	03	03	03	03	03	03	03	03	03	03	03	03
	E	03	03	03	03	03	03	03	03	03	03	03	03
	D	03	03	03	03	03	03	03	03	03	03	03	03
	C	03	03	03	03	03	03	03	03	03	03	03	03
	B	03	03	03	03	03	03	03	03	03	03	03	03
	A	03	03	03	03	03	03	03	03	03	03	03	03
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X012LF RPU	H	45	45	45	45	45	45	45	45	45	45	45	22
	G	45	45	45	45	45	45	45	45	45	45	45	45
	F	22	45	45	45	45	45	45	45	45	45	45	45
	E	45	45	45	45	45	45	45	45	45	45	45	45
	D	45	45	45	45	45	45	45	45	45	45	45	45
	C	45	45	45	45	45	45	45	45	45	45	45	45
	B	45	45	45	45	45	45	45	45	45	45	45	45
	A	47	47	47	47	47	47	47	47	47	47	47	47
	GND	22	22	22	22	22	22	22	22	22	22	22	22

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 2.95
-3.80 WHEN MATED TO
METRAL 1000 RECEPT.
AND THIS CONFIGURATION
CANNOT BE MATED TO A
METRAL 4000 RECEPT.

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X013LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	03	02	02	02	01	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X014LF	H	03	03	03	03	03	03	03	03	03	03	03	01
	G	03	03	03	03	03	03	03	03	03	03	03	03
	F	01	03	03	03	03	03	03	03	03	03	03	03
	E	03	03	03	03	03	03	03	03	03	03	03	03
	D	03	03	03	03	03	03	03	03	03	03	03	03
	C	03	03	03	03	03	03	03	03	03	03	03	03
	B	03	03	03	03	03	03	03	03	03	03	03	03
	A	19	19	19	19	19	19	19	19	19	19	19	19
	GND	01	01	01	01	01	01	01	01	01	01	01	01

CAN NOT
BE MATED
TO A
METRAL
4000
RECEPTACLE

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X015LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	03	03	03	03	03	03	03	03	03	03	03	03
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	03	03	03	03	03	03	03	03	03	03	03	03
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	01	02	02	02	02	02	02	02	02	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X016LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

PCB THICKNESS
RANGE FOR REAR
PLUG UP
APPLICATIONS
5.50 TO 6.80

spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection 	MM 	size	A4	scale	1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1		
				chr	-	-						
				appr	Kuriakose, San	2022/03/04	product family			rel level	Released	
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.			dwg no	63784			rev AP
		0.XX	±0.13									
		0.XXX	±0.050									
angular		0°	±2°	cat. no.		Product - Customer Drw				sheet 6 of 10		

A

B

C

D

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X017LF	H	02	02	02	02	02	02	02	02	02	02	02	02
	G	04	04	04	04	04	04	04	04	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	04	04	04	04	04	04	04	04	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	04	04	04	04	04	04	04	04	02	02	02	02
	GND	01	01	01	01	01	01	01	01	01	01	01	01

CAN NOT BE MATED
TO A METRAL 4000
RECEPTACLE

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X018LF	H	02	02	02	02	02	02	02	02	02	02	02	01
	G	02	02	02	02	02	02	02	02	02	02	02	02
	F	02	02	02	02	02	02	02	02	02	02	02	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	02	02
	C	02	02	02	02	02	02	02	02	02	02	02	02
	B	02	02	02	02	02	02	02	02	02	02	02	02
	A	02	02	02	02	02	02	02	02	02	02	02	02
	GND	01	01	01	01	01	01	01	01	01	01	01	01

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X019LF RPU	H	03	03	03	03	03	03	03	03	03	03	03	02
	G	03	03	03	03	03	03	03	03	03	03	03	03
	F	03	03	03	03	03	03	03	03	03	03	03	03
	E	11	11	11	11	11	11	11	11	11	11	11	11
	D	41	41	41	41	41	41	41	41	41	41	41	41
	C	24	24	24	24	24	24	24	24	24	24	24	24
	B	41	41	41	41	41	41	41	41	41	41	41	41
	A	24	24	24	24	24	24	24	24	24	24	24	24
	GND	49	49	49	49	49	49	49	49	49	49	49	49

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 5.70
-7.30 WHEN MATED TO
METRAL 1000 RECEPT.
AND 6.70-7.30 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X020LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 4.30
-5.70 WHEN MATED TO
METRAL 1000 RECEPT.
AND 5.30-5.70 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X021LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 4.30
-5.70 WHEN MATED TO
METRAL 1000 RECEPT.
AND 5.30-5.70 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X022LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 4.30
-5.70 WHEN MATED TO
METRAL 1000 RECEPT.
AND 5.30-5.70 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X023LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR
PLUG UP
APPLICATIONS,
PCB THK
RANGE: 4.30-5.70
WHEN MATED TO
METRAL 1000
RECEPT. AND
5.30-5.70 WHEN
MATED TO
METRAL 4000
RECEPT.
(2.30 MIN
IN NON-
STANDARD
REAR PLUG-UP
APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X024LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP
APPLICATIONS, PCB
THICKNESS RANGE: 4.30
-5.70 WHEN MATED TO
METRAL 1000 RECEPT.
AND 5.30-5.70 WHEN MATED
TO METRAL 4000 RECEPT.
(2.30 MIN IN NON-STANDARD
REAR PLUG UP APPLICATIONS)

spec ref	-	TOLERANCES UNLESS OTHERWISE SPECIFIED	
tolerance std	ISO 406 ISO 1101		
surface	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.050
	angular	0°	±2°

dr	P-Mathew Nebu	2011/05/20
eng	Nirmal Sam-MB	2022/03/03
chr	-	-
appr	Kuriakose, San	2022/03/04

Amphenol
FCititle VERTICAL SIGNAL HDR 8 ROW
P.F. 96 POS. SELECT LOAD EXT.

cat. no.

projection	MM	size	A4	scale	1:1
		ecn no	ELX-I-43998-1		
		rel level	Released		

product family

dwg no 63784 rev AP

Product - Customer Drw

sheet 7 of 10

A

B

C

D

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X025LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X026LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X027LF	H	03	03	03	03	03	03	03	03	03	03	03	03
	G	03	03	03	03	03	03	03	03	03	03	03	03
	F	- 03	- 03	- 03	- 03	- 03	- 03	- 03	- 03	- 03	- 03	- 03	- 03
	E	03	03	03	03	03	03	03	03	03	03	03	03
	D	03	03	03	03	03	03	03	03	03	03	03	03
	C	03	03	03	03	03	03	03	03	03	03	03	03
	B	03	03	03	03	03	03	03	03	03	03	03	03
	A	03	03	03	03	03	03	03	03	03	03	03	03
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X028LF RPU	H	05	05	05	05	05	05	05	05	05	05	05	05
	G	05	05	05	05	05	05	05	05	05	05	05	05
	F	05	05	05	05	05	05	05	05	05	05	05	05
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	01	01	01	01	01	01	01	01	01	01	01	01
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

NO PIN ALIGNER

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X029LF RPU	H	01	01	01	01	01	01	01	01	01	01	01	01
	G	01	01	01	01	01	01	01	01	01	01	01	01
	F	01	01	01	01	01	01	01	01	01	01	01	01
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	05	05	05	05	05	05	05	05	05	05	05	05
	C	05	05	05	05	05	05	05	05	05	05	05	05
	B	05	05	05	05	05	05	05	05	05	05	05	05
	A	05	05	05	05	05	05	05	05	05	05	05	05
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS).

NO PIN ALIGNER

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X030LF RPU	H	05	05	05	05	05	05	01	01	01	01	01	01
	G	05	05	05	05	05	05	01	01	01	01	01	01
	F	05	05	05	05	05	05	01	01	01	01	01	01
	E	05	05	05	05	05	05	01	01	01	01	01	01
	D	01	01	01	01	01	01	01	01	01	01	01	01
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

NO PIN ALIGNER

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X031LF RPU	H	05	05	05	05	05	05	05	05	05	05	05	05
	G	05	05	05	05	05	05	05	05	05	05	05	05
	F	05	05	05	05	05	05	05	05	05	05	05	05
	E	05	05	05	05	05	05	05	05	05	05	05	05
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	01	01	01	01	01	01	01	01	01	01	01	01
	B	01	01	01	01	01	01	01	01	01	01	01	01
	A	01	01	01	01	01	01	01	01	01	01	01	01
	GND	01	01	01	01	01	01	01	01	01	01	01	01

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

NO PIN ALIGNER

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X032LF RPU	H												
	G												
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

OBSOLETE

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30-5.70 WHEN MATED TO METRAL 1000 RECEPT. CANNOT BE MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG-UP APPLICATIONS)

spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection	MM	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1			
				chr	-	-							
				appr	Kuriakose, San	2022/03/04			product family			rel level	Released
surface	linear	0.X	±0.3	Amphenol FCI	title	VERTICAL SIGNAL HDR 8 ROW			dwg no	63784		rev	AP
		0.XX	±0.13										
		0.XXX	±0.050										
	ISO 1302	angular	0°	±2°	amphenol-icc.com	cat. no.	Product - Customer Drw			sheet 8 of 10			

METRAL P/N	ROW	CONTACT CODE											
63784-X033LF *RPU	H	1	2	3	4	5	6	7	8	9	10	11	12
	G	OBSOLETE											
	F												
	E												
	D												
	C												
	B												
	A												
	GND												

FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 4.30 -5.70 WHEN MATED TO METRAL 1000 RECEPT. AND 5.30-5.70 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS)

[illegible][illegible][illegible]

METRAL P/N	ROW	CONTACT CODE													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
63784-X037LF	H	03	02	02	03	02	03	02	02	02	02	03	0	0	
	F	03	02	02	03	02	03	02	03	03	02	03	0	0	
	G	03	02	02	03	03	03	03	02	02	03	03	0	0	
	E	03	02	02	03	02	03	02	03	02	02	03	0	0	
	D	03	02	02	03	02	03	02	03	02	02	03	0	0	
	C	03	02	02	03	03	03	03	03	02	03	03	0	0	
	B	03	02	02	03	02	03	02	02	02	02	03	0	0	
	A	03	02	02	03	02	03	02	02	02	02	03	0	0	
	GND	02	02	02	02	02	02	02	02	02	02	02	0	0	

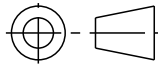
[illegible][illegible][illegible]

spec ref		-		dr	P-Mathew Nebu	2011/05/20	projection	MM	size	A4	scale	1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1		
				chr	-	-						
				appr	Kuriakose, San	2022/03/04			product family		METRAL 1000	
surface ISO 1302 ✓	linear	0.X	±0.3	Amphenol FCI	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.			dwg no	63784		rev	AP
		0.XX	±0.13									
		0.XXX	±0.050									
	angular	0°	±2°		cat. no.		Product - Customer Drw			sheet 9 of 10		

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X041LF	H	02	02	02	02	02	02	02	02	02	02	01	02
	G	02	02	02	02	02	02	02	02	02	02	01	02
	F	02	02	02	02	02	02	02	02	02	02	01	02
	E	02	02	02	02	02	02	02	02	02	02	02	02
	D	02	02	02	02	02	02	02	02	02	02	03	02
	C	02	02	02	02	02	02	02	02	02	02	03	02
	B	02	02	02	02	02	02	02	02	02	02	03	02
	A	02	02	02	02	02	02	02	02	02	02	01	02
	GND	01	01	01	01	01	01	01	01	01	01	01	01

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X042LF	H	01	02	02	02	02	02	01	02	02	02	02	03
	G	02	02	02	02	02	02	02	02	02	02	02	03
	F	02	02	02	02	02	02	02	02	02	02	02	03
	E	02	02	02	02	02	02	02	02	02	02	02	03
	D	02	02	02	02	02	02	02	02	02	02	03	03
	C	02	02	02	02	02	02	02	02	02	02	03	03
	B	02	02	02	02	02	02	02	02	02	02	03	03
	A	02	02	02	02	02	02	02	02	02	02	02	03
	GND	01	01	01	01	01	01	01	01	01	01	01	01

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X043LF	H	02	02	02	02	01	02	01	02	02	02	02	03
	G	02	02	02	02	01	02	02	02	02	02	02	03
	F	02	02	02	02	01	02	02	02	02	02	02	03
	E	02	02	02	02	01	02	02	02	02	02	02	03
	D	02	02	02	02	03	02	02	02	02	02	02	03
	C	02	02	02	02	03	02	02	02	02	02	02	03
	B	02	02	02	02	03	02	02	02	02	02	02	03
	A	02	02	02	02	03	02	02	02	02	02	02	03
	GND	01	01	01	01	01	01	01	01	01	01	01	01

spec ref		-		dr	P-Mathew Nebu	2011/05/20			size	A4	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1				
				chr	-	-			rel level			Released		
ISO 406				appr	Kuriakose, San	2022/03/04	product family							
ISO 1101														
surface		linear	0.X	±0.3		title	VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.			dwg no	63784		rev	AP
			0.XX	±0.13										
			0.XXX	±0.050										
ISO 1302		angular	0°	±2°			cat. no.			Product - Customer Drw			sheet 10 of 10	