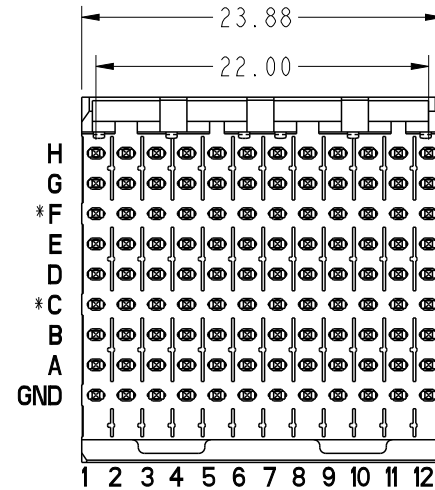
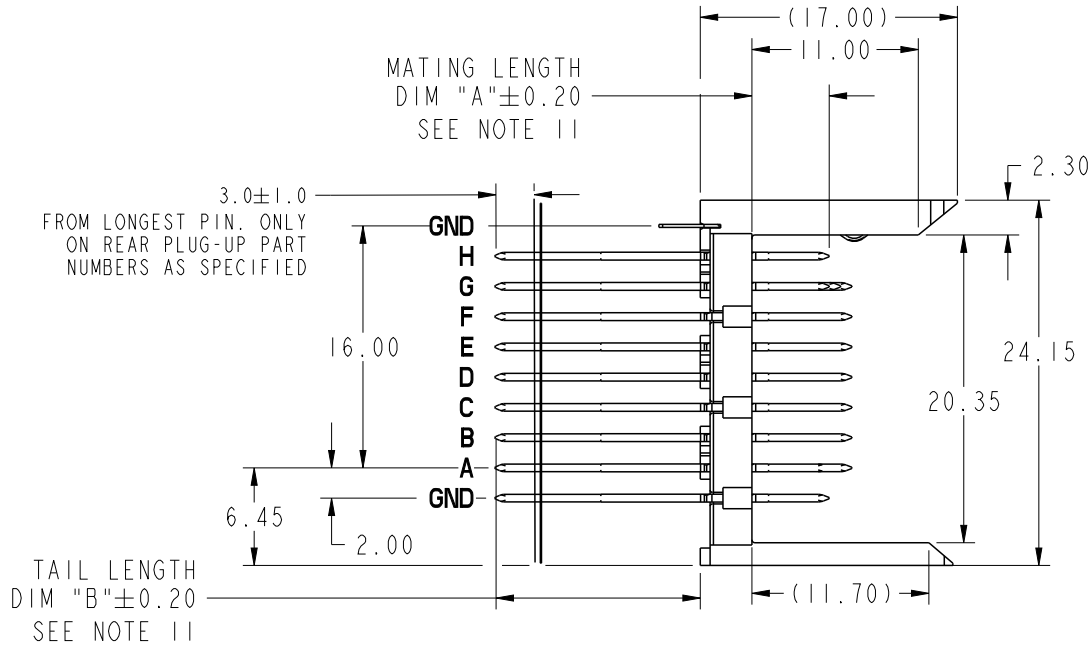
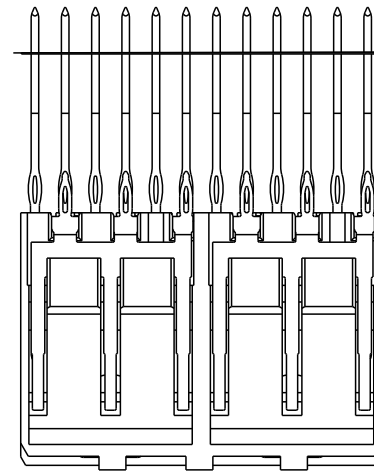


PRODUCT NUMBER	FOR REAR PLUG-UP APPLICATIONS USE SHROUD
63784-XXXX(L)LF	84625-X02LF

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	ISO 406 ISO 1101	eng	Nirmal Sam-MB	2022/03/03			ecn no		ELX-I-43998-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level		Released	
surface	linear	appr	Kuriakose, San	2022/03/04	product family	METRAL 1000		rev		
	angular				VERTICAL SIGNAL HDR 8 ROW		63784		AP	
					P.F. 96 POS. SELECT LOAD EXT.		Product - Customer Drw		sheet 1 of 10	

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
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
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

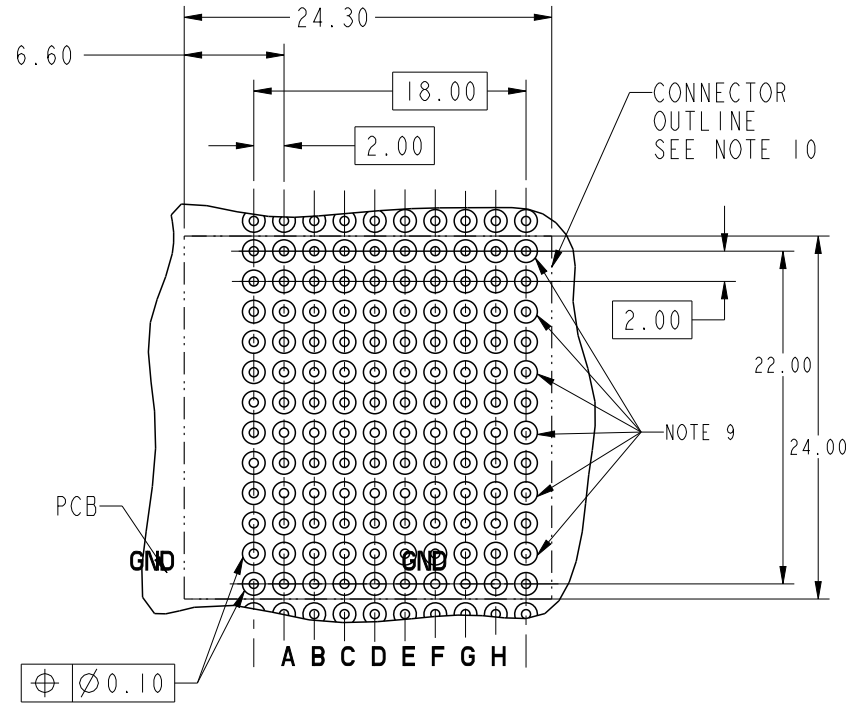
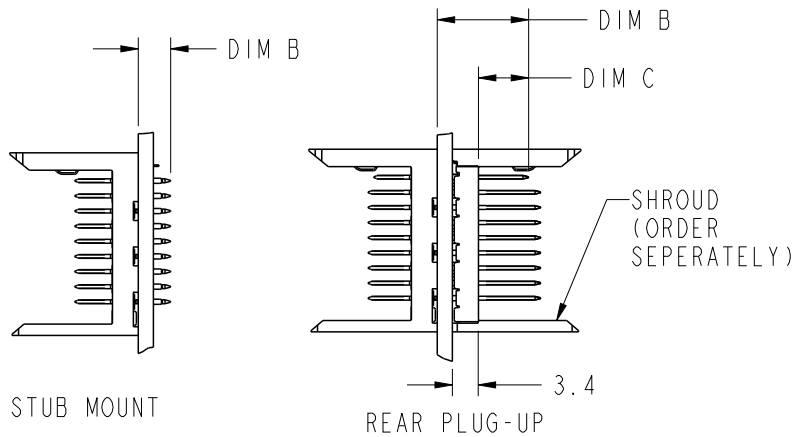
PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH	
			WHEN MATING TO A 74981 SERIES RECEPTACLE	
			ROWS A,B,C,D,E,F,G & H	GROUND ROW
04*	7.25	4.30	1.60 MIN	1.60 MIN
46		12.20	2.95 - 3.80	2.95 - 4.20
33		12.95	2.95 - 4.55	3.25 - 4.95
08		13.70	2.95 - 5.30	4.00 - 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
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	
surface ISO 1302	linear	0.X	±0.3	product family METRAL 1000	rev AP		
		0.XX	±0.13				
		0.XXX	±0.050				
	angular	0°	±2°	product - Customer Drw	sheet 2 of 10		

PRODUCT NUMBER
SEE SHEET 1




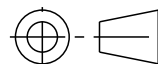
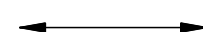
**RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)
FOR PTH DETAILS REFER DRAWING 58351**

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		
ISO 406 ISO 1101				chr	-	-			rel level	Released		
surface	linear	0.X	±0.3	appr	Kuriakose, San	2022/03/04	product family		63784	rev	AP	
		0.XX	±0.13				title	VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.				
		0.XXX	±0.050									cat. no.
ISO 1302	angular	0°	±2°									

Creo F114:ELX-FCI:AC,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 OPOSE 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 	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	-	-				rel level	Released	
ISO 406 ISO 1101				appr	Kuriakose, San	2022/03/04	product family					
surface ISO 1302	linear	0.X	±0.3	Amphenol FCI	VERTICAL SIGNAL HDR 8 ROW			dwg no	63784		rev	AP
		0.XX	±0.13		P.F. 96 POS. SELECT LOAD EXT.							
		0.XXX	±0.050									
angular		0°	±2°	cat. no.	Product - Customer Drw			sheet 4 of 10				

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	05	01	01	01	01	01
	G	05	05	05	05	05	05	05	01	01	01	01	01
	F	05	05	05	05	05	05	05	01	01	01	01	01
	E	05	05	05	05	05	05	05	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		size	A4	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Nirmal Sam-MB	2022/03/03		← MM →	ecn no				ELX-I-43998-1
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level				Released
surface	linear	appr	Kuriakose, San	2022/03/04	product family		rev			AP	
	angular	Amphenol FCI		VERTICAL SIGNAL HDR 8 ROW			dwg no		63784		
	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	cat. no.		P.F. 96 POS. SELECT LOAD EXT.			Product - Customer Drw			sheet 5 of 10	
	0° ±2°										

METRAL P/N	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	02	01	02	02	02
	GND	02	02	02	02	02	02	02	02	02	02	02	02

METRAL P/N	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	CONTACT CODE												
	ROW	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	eng	Nirmal Sam-MB	2022/03/03		←→	ecn no				ELX-I-43998-1
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level				Released
surface	linear	appr	Kuriakose, San	2022/03/04	product family		product - Customer Drw			sheet 6 of 10	
	angular	Amphenol FCI	VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.			dwg no		63784		rev	AP
			0.X	±0.3	cat. no.						
			0.XX	±0.13							
			0.XXX	±0.050							
			0°	±2°							

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	02	02
	G	04	04	04	04	04	04	04	04	04	02	02	02	02	02
	F	02	02	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	02	02
	D	04	04	04	04	04	04	04	04	04	02	02	02	02	02
	C	02	02	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	02	02
	A	04	04	04	04	04	04	04	04	02	02	02	02	02	02
	GND	01	01	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	02	01	01
	G	02	02	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	02	02
	E	02	02	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	02	02
	C	02	02	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	02	02
	A	02	02	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	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	03	02	02
	G	03	03	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	03	03
	E	11	11	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	41	41
	C	24	24	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	41	41
	A	24	24	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	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 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-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	-	dr	P-Mathew Nebu	2011/05/20	projection	MM	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-				rel level	Released	
surface	linear	appr	Kuriakose, San	2022/03/04	product family		rev	63784		
	angular							AP		
	0.X ±0.3	Amphenol FCI				VERTICAL SIGNAL HDR 8 ROW				
	0.XX ±0.13					P.F. 96 POS. SELECT LOAD EXT.				
	0.XXX ±0.050					Product - Customer Drw				sheet 7 of 10
	0° ±2°									

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X025LF RPU	H	OBSOLETE											
	G												
	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)

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-X026LF RPU	H	OBSOLETE											
	G												
	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)

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-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
	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

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-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	

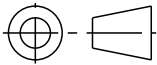
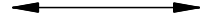
FOR REAR PLUG UP APPLICATIONS, PCB THICKNESS RANGE: 2.95 -5.30 WHEN MATED TO METRAL 1000 RECEPT. AND 3.30-5.30 WHEN MATED TO METRAL 4000 RECEPT. (2.30 MIN IN NON-STANDARD REAR PLUG UP APPLICATIONS).
NO PIN ALIGNER

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-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	

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	OBSOLETE											
	G												
	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. 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	ISO 406 ISO 1101	eng	Nirmal Sam-MB	2022/03/03			ecn no	ELX-I-43998-1		
surface	linear	chr	-	-			rel level	Released		
	angular	appr	Kuriakose, San	2022/03/04	product family		rev	63784		
	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	Amphenol FCI	VERTICAL SIGNAL HDR 8 ROW			dwg no	63784			AP
ISO 1302	0° ±2°	amphenol-icc.com	cat. no.	Product - Customer Drw			sheet 8 of 10			

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X033LF *RPU	H												
	G												
	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)

OBSOLETE

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X034LF	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	04	04	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

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X035LF	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	04	04	02	02	02	02	01	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

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X036LF	H	02	02	02	02	02	02	03	01	01	03	01	01
	G	02	02	02	02	02	02	03	01	01	03	01	01
	F	02	02	02	02	02	02	03	01	01	03	01	01
	E	03	02	02	02	02	02	03	01	01	03	01	01
	D	03	02	02	02	02	02	03	01	01	03	01	01
	C	03	02	02	02	02	02	03	01	01	03	01	01
	B	03	02	03	02	02	02	03	01	01	03	01	01
	A	03	02	02	02	02	02	03	01	01	03	01	01
	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-X037LF	H	03	02	02	03	02	03	02	02	02	03	02	
	G	03	02	02	03	02	03	02	03	02	03	02	
	F	03	02	02	03	03	03	03	02	02	03	03	
	E	03	02	02	03	02	03	02	03	02	02	03	
	D	03	02	02	03	02	03	02	03	02	02	03	
	C	03	02	02	03	03	03	03	03	02	03	03	
	B	03	02	02	03	02	03	02	02	02	02	03	
	A	03	02	02	03	02	03	02	02	02	02	03	
	GND	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-X038LF	H	02	02	02	19	-	19	-	02	-	02	-	19
	G	02	02	02	19	-	19	-	02	-	02	-	19
	F	02	-	02	19	-	19	-	-	-	02	-	19
	E	02	02	02	19	-	19	-	02	-	02	-	19
	D	02	02	02	19	-	19	-	02	-	02	-	19
	C	02	02	02	19	-	19	-	02	-	02	-	19
	B	02	02	02	19	-	19	-	02	-	02	-	19
	A	02	02	02	19	-	19	-	02	-	02	-	19
	GND	-	-	-	-	-	-	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE											
		1	2	3	4	5	6	7	8	9	10	11	12
63784-X039LF	H	02	02	02	02	02	02	02	02	03	03	03	03
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	E	02	02	02	01	02	02	02	02	03	03	03	03
	D	03	01	02	01	02	02	02	02	03	03	03	03
	C	02	02	02	01	02	02	02	02	03	03	03	03
	B	02	02	02	01	02	02	02	02	03	03	03	03
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	GND	01	01	01	01	01	01	01	01	01	01	01	01

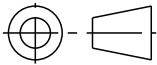
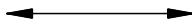
METRAL P/N	ROW	CONTACT CODE											
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	GND	01	01	01	01	01	01	01	01	01	01	01	01

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

METRAL P/N	ROW	CONTACT CODE												
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	A	02	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	01

METRAL P/N	ROW	CONTACT CODE												
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	C	02	02	02	02	02	02	02	02	02	02	02	03	03
	B	02	02	02	02	02	02	02	02	02	02	02	03	03
	A	02	02	02	02	02	02	02	02	02	02	02	02	03
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METRAL P/N	ROW	CONTACT CODE												
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	B	02	02	02	02	03	02	02	02	02	02	02	02	03
	A	02	02	02	02	03	02	02	02	02	02	02	02	03
	GND	01	01	01	01	01	01	01	01	01	01	01	01	01

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		
ISO 406 ISO 1101			chr	-	-			rel level	Released		
surface	linear angular	0.X	±0.3	Amphenol FCi	title VERTICAL SIGNAL HDR 8 ROW P.F. 96 POS. SELECT LOAD EXT.	product family	rev 63784 AP	cat. no.	Product - Customer Drw	sheet 10 of 10	
ISO 1302		0.XX	±0.13								
		0.XXX	±0.050								
	0°	±2°									