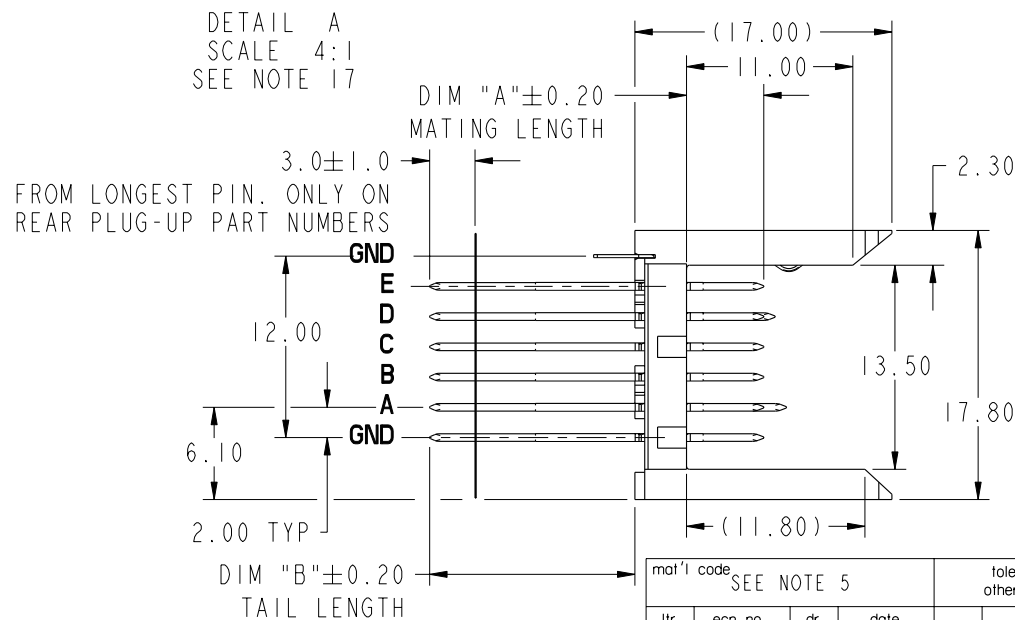




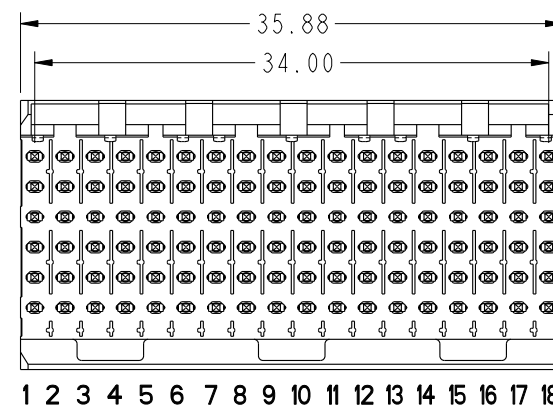
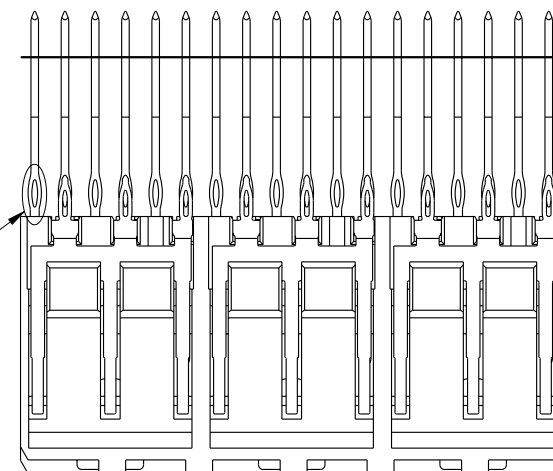
PRODUCT NUMBER	PLATING PERFORMANCE LEVEL	APPLICATION	FOR REAR PLUG-UP APPLICATIONS USE SHROUD
60066-1ZZZ	TELCORDIA CO	STANDARD	84818-104
60066-1ZZZLF		LEAD FREE	84818-104LF
60066-5ZZZ	TELCORDIA UE	STANDARD	84818-504
60066-5ZZZLF		LEAD FREE	84818-504LF
60066-9ZZZ	TELCORDIA CO	STANDARD	84818-904
60066-9ZZZLF		LEAD FREE	84818-904LF

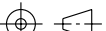


DETAIL A
SCALE 4:1
SEE NOTE 17



SEE DETAIL A



mat'l code SEE NOTE 5				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3			projection 	title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD.		
K	V06-0498	DCH	2006-05-30		0.XX ±0.13						
L	V06-0706	LP	2006-07-27		.XXX ±.051						
M	V07-0502	DCH	2007-07-31	angles	0° ±2°			 scale 1:1	product family METRAL 1000		code 213
N	V07-0733	HTB	2007-12-21	dr	K. BELL	2000-03-15	size A		dwg no 60066	sheet 1 of 6	
P	V08-0049	LP	2008-2-4	enrg	M. HAHN	2000-03-15					
-	-	-	-	chr	M. HAHN	2000-03-15					
J	V05-0806	VS	2005-09-09	appd	M. HAHN	2000-03-15					
sheet index	revision sheet	P	P	P	P	P	P				
		1	2	3	4	5	6				



PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN'S TAIL LENGTH **				
			WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE		WHEN MATING TO A 52057 SERIES METRAL 4000 RECEPTACLE		
			ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C	GROUND ROW
01*	5.00	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
22		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
30		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
05		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
35		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
48		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
40		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
65		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
09		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
02*	5.75	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
44		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
31		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
06		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
36		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
49		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
25		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
66		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
10		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
03*	6.50	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
45		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
32		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
07		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
37		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
50		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
41		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
24		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
11		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	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.

mat'l code SEE NOTE 5				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ± 0.3		COPY		title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD.
P					0.XX ± 0.13		projection		
					.XXX ± .051				
				angles	0° ± 2°				
				dr	K. BELL	2000-03-15	MM		product family METRAL 1000
				enr	M. HAHN	2000-03-15			code 213
				chr	M. HAHN	2000-03-15	scale 1:1		sheet 2
				appd	M. HAHN	2000-03-15	A		60066
sheet index	revision sheet								



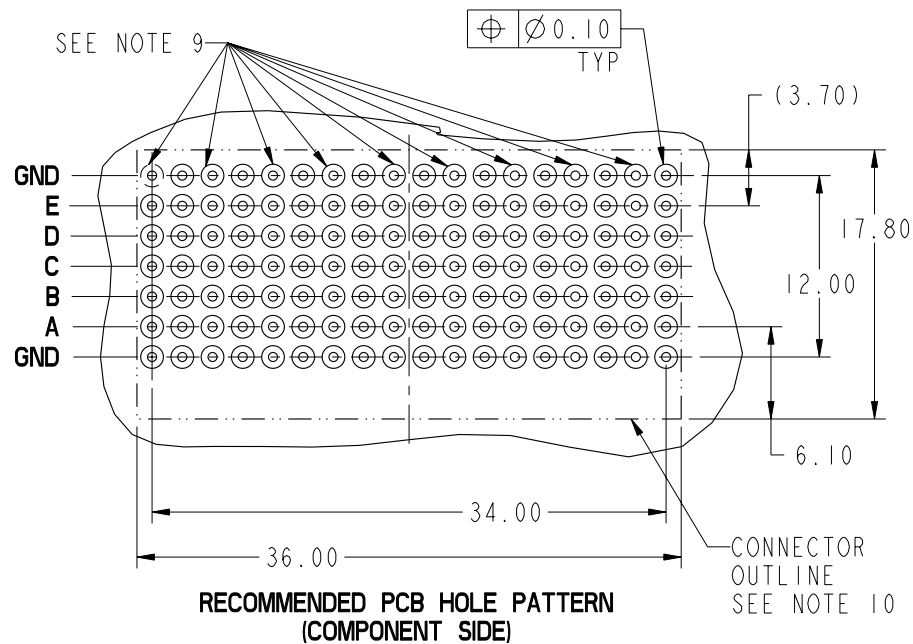
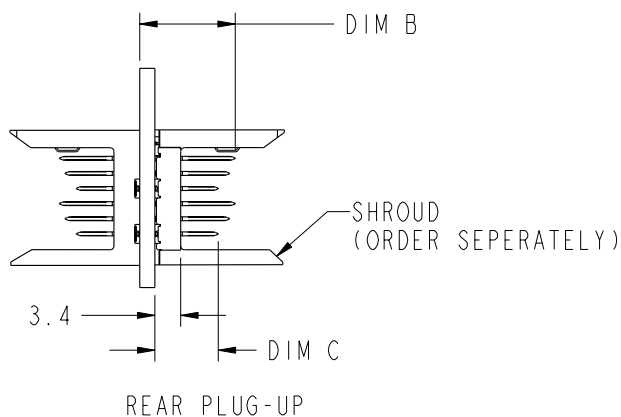
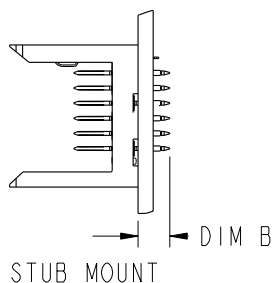
PIN NO.	DIM A MATING LENGTH	DIM B TAIL LENGTH	PCB THICKNESS RANGE ACCOMMODATED BY PIN LENGTH **				
			WHEN MATING TO A 73981 OR 84688 SERIES RECEPTACLE		WHEN MATING TO A 52057 SERIES METRAL 4000 RECEPTACLE		
			ROWS A,B,C,D,E	GROUND ROW	ROWS:A,B,D,E	ROW C	GROUND ROW
04*	7.25	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
46		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
33		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
08		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
38		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
51		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
42		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
67		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
12		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	5.70 - 8.70	7.40 - 9.10
19*	8.00	4.30	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN	1.60 MIN
47		12.20	2.95 - 3.80	2.95 - 4.20	2.95 - 3.80	2.95 - 3.80	2.95 - 4.20
34		12.95	2.95 - 4.55	3.25 - 4.95	2.95 - 4.55	2.95 - 4.55	3.25 - 4.95
20		13.70	2.95 - 5.30	4.00 - 5.70	3.30 - 5.30	2.95 - 5.30	4.00 - 5.70
39		14.45	3.05 - 6.05	4.75 - 6.45	4.05 - 6.05	3.05 - 6.05	4.75 - 6.45
52		15.20	3.80 - 6.80	5.50 - 7.20	4.80 - 6.80	3.80 - 6.80	5.50 - 7.20
43		15.70	4.30 - 7.30	6.00 - 7.70	5.30 - 7.30	4.30 - 7.30	6.00 - 7.70
68		16.40	5.00 - 8.00	6.70 - 8.40	6.00 - 8.00	5.00 - 8.00	6.70 - 8.40
21		17.10	5.70 - 8.70	7.40 - 9.10	6.70 - 8.70	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.

mat'l code SEE NOTE 5				tolerances unless otherwise specified				CUSTOMER		www.fciconnect.com				
ltr	ecn no.	dr	date	linear	0.X ±0.3				COPY					
P					0.XX ±0.13				projection					
					.XXX ±.051									
					0° ±2°									
				angles							title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD.			
				dr	K. BELL	2000-03-15			MM		product family METRAL 1000 code			
				enrg	M. HAHN	2000-03-15					size			
				chr	M. HAHN	2000-03-15			1:1		dwg no			
				appd	M. HAHN	2000-03-15					60066 213 sheet 3			
sheet index		revision sheet												

PRODUCT NUMBER
SEE SHEET 1

PRESS-FIT HOLES	OPTION 1
HOLE DIAMETER AFTER PLATING	0.65-0.80
DRILLED HOLE	0.81-0.86 (0.85 DRILL)
COPPER PLATING	0.025 MIN
SnPb PLATING	0.005-0.015



RECOMMENDED PCB HOLE PATTERN
(COMPONENT SIDE)

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

mat'l code SEE NOTE 5				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com					
ltr	ecn no.	dr	date	linear	0. X ±0.3			COPY projection 	title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD.					
P					0. XX ±0.13									
					. XXX ±.051									
				angles	0° ±2°			 scale 1 : 1	product family METRAL 1000				code	
				dr	K. BELL	2000-03-15			size	dwg no 60066	213	sheet 4		
				engr	M. HAHN	2000-03-15								
				chr	M. HAHN	2000-03-15								
				appd	M. HAHN	2000-03-15								
sheet index		revision sheet												

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PRODUCT NUMBER

SEE SHEET 1

NOTES:

1. SEE APPLICATION SPECIFICATION GS-20-010 FOR INFORMATION ON AVAILABLE TOOLING, CURCUIT 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 950511-029 FOR "ELECTRICAL PERFORMANCE DATA FOR SINGLE-ENDED APPLICATION."
4. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5, 1994
5. HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, 30% GLASS FILLED, FLAME RETARDANT PER UL 94-V0.
PIN MATERIAL: PHOSPHER BRONZE
GROUND SPRING MATERIAL: PHOSPHER BRONZE
6. PLATING INFORMATION: PLATING ON CONTACT AREA MEETS THE PERFORMANCE LEVELS SHOWN IN TABLE ON SHEET 1. PLATING OF "LF" TAILS IS Sn, PLATING ON ALL OTHER TAILS IS SnPb.
7. DIMENSIONAL RESTRICTIONS OF PINS IN HEADERS.
FOR MATING WITH METRAL 1000 RECEPTACLES
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROWS A-E
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-E
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
DIM A : 5.00mm MIN, 8.00mm MAX FOR ROW C
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 NO
DIM C : 5.00mm MIN, 8.00mm MAX FOR ROW C
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. CURRENT RATING: 1 AMP PER PIN
12. TEMPERATURE RANGE: -55°C TO +105°C
13. P/N 60066-XXXXLF


LEAD FREE (OPTIONAL)
SELECT LOAD PATTERN
PLATING CODE
14. PIN CODE 55 CANNOT BE USED WITH METRAL 1000 SHROUDS. PIN CODE 55 HAS A DIM A=5.75mm, DIM B=11.55mm.
15. PART NUMBERS ENDING IN LF MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
16. FOR LEAD FREE PART NUMBERS ADD 'LF' SUFFIX. EXAMPLE: 60066-XXXXLF
17. PIN TYPE IS AT THE MANUFACTURERS OPTION AND CAN BE EITHER BABY-H OR EYE OF THE NEEDLE STYLE

mat'l code SEE NOTE 5				tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com			
ltr	ecr no.	dr	date	linear	0. X ±0.3		COPY		title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD			
P					0. XX ±0.13		projection					
				angles	. XXX ±. 051				product family METRAL 1000			
					0° ±2°							
				dr	K. BELL	2000-03-15			size		code	
				enrg	M. HAHN	2000-03-15			dwg no		213	
				chr	M. HAHN	2000-03-15	scale		A		sheet	
				appd	M. HAHN	2000-03-15	1:1		60066		5	
sheet index		revision sheet										

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SELECT LOAD PATTERNS																			
PRODUCT #	ROW	COLUMN																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
60066-X001 SEE NOTE 16 LEAD FREE OPTION	E	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
	D	01	01	01	01	01	02	01	01	01	01	01	02	01	01	01	01	01	02
	C	01	01	01	01	01	01	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	01	01	01	01	01	01
	A	01	01	03	01	01	03	01	01	03	01	01	03	01	01	03	01	01	03
	GND	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01
PRODUCT #	ROW	COLUMN																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
60066-X002 SEE NOTE 14 *RPU SEE NOTE 16 LEAD FREE OPTION	E	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
	D	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
	C	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
	B	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
	A	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
	GND	55	02	02	02	02	55	55	55	02	02	02	02	55	55	55	55	55	55
PRODUCT #	ROW	COLUMN																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
60066-X003 SEE NOTE 14 *RPU SEE NOTE 16 LEAD FREE OPTION	E	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
	D	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
	C	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
	B	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
	A	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55
	GND	55	55	55	55	55	55	55	55	55	55	55	55	55	02	02	02	02	55

* REAR PLUG-UP PART NUMBERS

mat'l code SEE NOTE 5				tolerances unless otherwise specified				CUSTOMER		www.fciconnect.com								
ltr	ecm no.	dr	date	linear	0.X ±0.3		projection	COPY		title VERTICAL SIGNAL HDR 5 ROW P.F. 90 POS. SELECT LOAD STD.								
P					0.XX ±0.13													
					.XXX ±.051													
				angles	0° ±2°													
				dr	K. BELL	2000-03-15				product family	METRAL 1000	code						
				engr	M. HAHN	2000-03-15				size	dwg no	213	sheet					
				chr	M. HAHN	2000-03-15	scale					A	60066					
				appd	M. HAHN	2000-03-15												
sheet index	revision sheet																	

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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