"DETAIL A"

REAR VIEW OF OPTIC CONNECTOR. FLAT OF INFRA-RED LED GOES TO THE RIGHT.

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PART NUMBER CHOOSE 1 OPTION FOR EACH CHANNEL FUNCTION OUTPUT NORMAL VOLTAGE FREQUENCY BANDWIDTH ORA CH4 CH3 CH2 CH1 2 0 0 0 0 **EMPTY** 1 1 1 1 0 to +10 VDC 1 to 10 kHz 10 Hz 2 2 2 2 0 to -10 VDC 1 to 10 kHz 10 Hz 3 3 3 3 0 to +5 VDC 1 to 10 kHz 10 Hz 4 4 4 4 0 to +1 VDC 1 to 10 kHz 10 Hz 5 5 5 5 0 to −5 VDC 1 to 10 kHz 10 Hz 6 6 6 6 0 to +10 VDC 5 to 10 kHz 100 Hz | 7 | 7 | 7 | 7 -2 TO +10 VDC | 5 TO 10 KHZ 400 Hz 8 8 8 8 -.5 TO +.5 VDC 5 TO 10 KHZ 300 Hz 9 9 9 9

NOTES:

- 1.) CHANNEL 3 IS STUFFED THE SAME AS CHANNEL 1 AND CHANNEL 2 IS STUFFED THE SAME AS CHANNEL 4.
- 2.) THE FIRST DIGIT IN CHANNEL 2 COMPONENT NUMBER IS 2
 AND THE FIRST DIGIT IN CHANNEL 3 COMPONENT NUMBER IS 3.
 FOR EXAMPLE RXØ1 IS RZØ1 FOR CHANNEL 2 AND R3Ø1 FOR CHANNEL 3.
- 3.) POSITIVE POLARITY STUFFING IS SHOWN FOR CHANNELS 1 AND 4.
 WHEN STUFFING A NEGATIVE POLARITY OPTION, DELETE RXØ1
 AND RXØ4, INSTALL CXØ7, RX16, RX17, AND RX18, INSTALL
 CRXØ1 FOR NEGATIVE POLARITY AS SHOWN IN DETAIL.
- 4.) PRETEST ALL INFRA-RED LED'S BEFORE STUFFING THE BOARDS.
- 5.) MAKE SURE INFRA-RED LED'S ARE INSERTED INTO CONNECTORS COMPLETELY AND CORRECTLY (SEE DETAIL A)
- 6.) COMPONENT HEIGHT MUST NOT EXCEED 0.400" ABOVE COMPONENT FACE OF BOARDS.
- 7.) LED ANODE GOES TO DOT ON PC BOARD.
- 8.) BOARDS MADE PREVIOUS TO 6/13 USED 8IC000453 FOR IX01 (ITEM 18).
- 9.) KEEP COMPONENT HEIGHT IN THESE AREAS LOW ENOUGH TO AVOID INTERFERENCE WITH PCBS WHICH EXTEND OUT OVER THEM.

CHANNEL OPTIONS

OPTION	9схø1	12)cx04	40 cx 0 7	(15) CRXØ1	22RX01	23RX02	24RX03	25RX04	26RX05	②7RX07	④)RX16	39RX17	39RX18
1	0.01 ⊧F 100∨	Ø.1 ⊭F 100∀	DELETE	IN4744, INSTALL FOR + POLARITY	1 MΩ 1/4W, 1%	499 kΩ 1/4₩, 1%	1 М Ω РОТ	470 kΩ 1/4W,10%		249 kΩ 1/4₩, 1%	DELETE	DELETE	DELETE
2	0.01 [⊮] 100∨	0.1 ^{µF} 100∀	0.01 ^{µF} 100√	IN4744, INSTALL FOR — POLARITY	DELETE	$499~\mathrm{k}\Omega$ 1/4W, 1%	1 M Ω POT	DELETE		$249~\mathrm{k}\Omega$ 1/4W, 1%	1 MΩ 1/4W, 1%	1 MΩ 1/4W, 1%	1 MΩ 1/4W, 1%
3	0.01 ⊮F 100∨	0.1 ^{µF} 100∨	DELETE	IN4744, INSTALL FOR + POLARITY	499 k Ω 1/4W, 1%	499 k Ω 1/4W, 1%	1 M Ω POT	$270~\mathrm{k}\Omega$ $1/4\%,10\%$	100 k Ω 1/4W, 1%	249 k Ω 1/4W, 1%	DELETE	DELETE	DELETE
4	0,01 ⊮F 100∨	0,1 ^{µF} 100∀	DELETE	IN4744, INSTALL FOR + POLARITY		$499~\mathrm{k}\Omega$ 1/4W, 1%	1 $M\Omega$ POT	100 kΩ 1/4W,10%	100 kΩ 1/4₩, 1%	$249~\mathrm{k}\Omega$ 1/4W, 1%	DELETE	DELETE	DELETE
5	0.01 ⊮F 100∨	0.1 ^{µF} 100∨	0.01 ^{µF} 100∨	IN4744, INSTALL FOR — POLARITY	DELETE	$499~\mathrm{k}\Omega$ 1/4W, 1%	1 $M\Omega$ POT	DELETE		249 k Ω 1/4W, 1%	1 MΩ 1/4W, 1%		499 k Ω 1/4W, 1%
6	0.0022 ^{µF} 100∀	0.1 ^{µF} 100∀	DELETE	IN4744, INSTALL FOR + POLARITY	1 MΩ 1/4W, 1%	150 k Ω 1/4W, 1%	200 M Ω POT	220 k Ω 1/4W,10%		$49.9 \mathrm{k}\Omega$ 1/4W, 1%	DELETE	DELETE	DELETE
1 7	680 PF 1000V	0.047 ^{µF} 100∀	DELETE	SA15CA, NOT POLARIZED	1 MΩ 1/4W, 1%	$200~\mathrm{k}\Omega$ 1/4W, 1%	50 K Ω POT	180 k Ω 1/4W,10%		$24.9 \mathrm{k}\Omega$ 1/4W, 1%	DELETE	DELETE	DELETE
	680 PF 1000V	0,047 ^{µF} 100∨	DELETE	SA10CA, NOT POLARIZED		150 k Ω 1/4W, 1%	50 K Ω POT	68 k Ω 1/4W,10%		24.9 k Ω 1/4 $\%$, 1%	DELETE	DELETE	DELETE
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