

OPTION

EXTERNAL I/O UNIT

**OP-13**

---

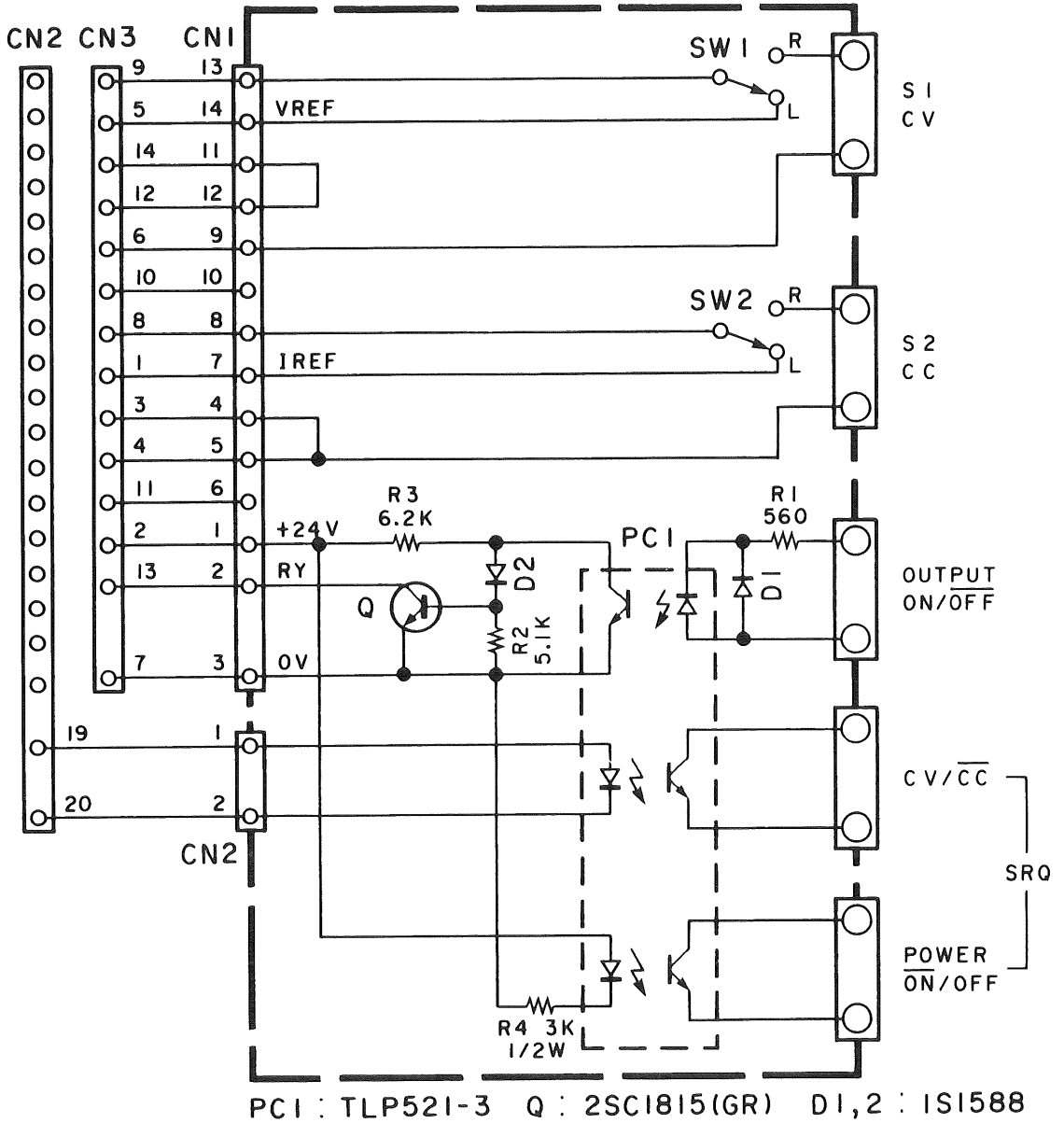
**SERVICE MANUAL**

# PARTS LIST

## OP-13 UNIT Y87-2590-00

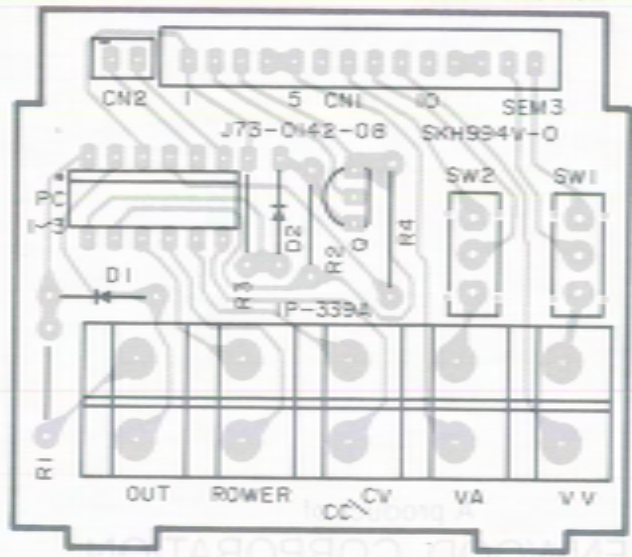
REF. NO	PARTS NO	NAME & DESCRIPTION			
	B42-3828-08	GP-IB LABEL			
	B63-0068-08	INSTRUCTION MANUAL; ENG./JAP.			
	E29-0544-08	EXTERNAL CONTROL TERMINAL			
	J73-0178-08	PCB (UNMOUNTED)			
CN1	E40-7223-08	PIN CONNECTOR	14P		
CN2	E38-0548-08	WIRE ASS'Y			
D1	1S1588	DIODE			
D2	1S1588	DIODE			
PC1	TLP521-3	PHOTO COUPLER			
Q	2SC1815 (GR)	TR. SI, NPN			
R1	RD14BB2E561J	RES. CARBON	560	5%	1/4W
R2	RD14BB2E512J	RES. CARBON	5.1K	5%	1/4W
R3	RD14BB2E622J	RES. CARBON	6.2K	5%	1/4W
R4	RD14DB2H302J	RES. CARBON	3K	5%	1/2W
SW1	S62-0606-08	MASTER/SLAVE SWITCH			
SW2	S62-0606-08	MASTER/SLAVE SWITCH			

# SCHEMATIC DIAGRAM (OPTION OP-13)



# OP-13 UNIT

Pattern side view



KENWOOD CORPORATION  
 17-2, Setchua 2-chuay, Shizuoka, Tokyo 426, Japan