

FCN-239P***-G/*, FCN249P***-G/*, FCN-789P***-L/* SCSI Interface Terminator Connectors

Fujitsu's new terminator connectors have been designed for use with the industry-standard Small Computer System Interface (SCSI) bus. There are three series of connectors: (1) the FCN-789 series with a standard 50-pin ribbon plug; (2) the FCN-239 series with a 50-pin half-pitch (1.27 mm) connector, and the FCN-239 series with a 68-pin half-pitch (1.27 mm) connector, which has been added in response to the new SCSI-II standard.

- Matable with SCSI II, SCSI III PCB-mount socket connector
- One-touch lock mechanism
- Complete EMI protection by die-cast zinc cover (nickel-plated ABS for FCN789)
- Compliance to SCSI standards set forth by American National Standards Institute (ANSI).

FCN-789 Series

FCN-239 Series

3

SPECIFICATIONS

Part Number	FCN-789P050-L/A FCN-239P050-G/E FCN-249P050-G/C	FCN-789P050-L/C FCN-239P050-G/C FCN-249P050-G/C	FCN-789P050-L/D FCN-239P050-G/D FCN-249P050-G/D
Operating Temperature	-40 to +85 °C	0 to +50 °C	-25 to +70 °C
Rated Current	1 ADC	1 ADC	1 ADC
Rated Voltage	250 VAC	250 VAC	250 VAC
Operating Voltage	4.25 to 5.25 VDC	4.25 to 5.25 VDC	4.0 to 5.25 VDC
Insulation Resistance (connector)	1000 M Ω min. (between FG signal)	1000 M Ω min. (between FG signal)	1000 M Ω min. (between FG signal)
Dielectric Strength (connector)	300 VAC for 1 min. (between FG signal)	300 VAC for 1 min. (between FG signal)	300 VAC for 1 min. (between FG signal)
SCSI Transmission Electrical Condition	Single-end Alternative 1	Single-end Alternative 2*	Differential

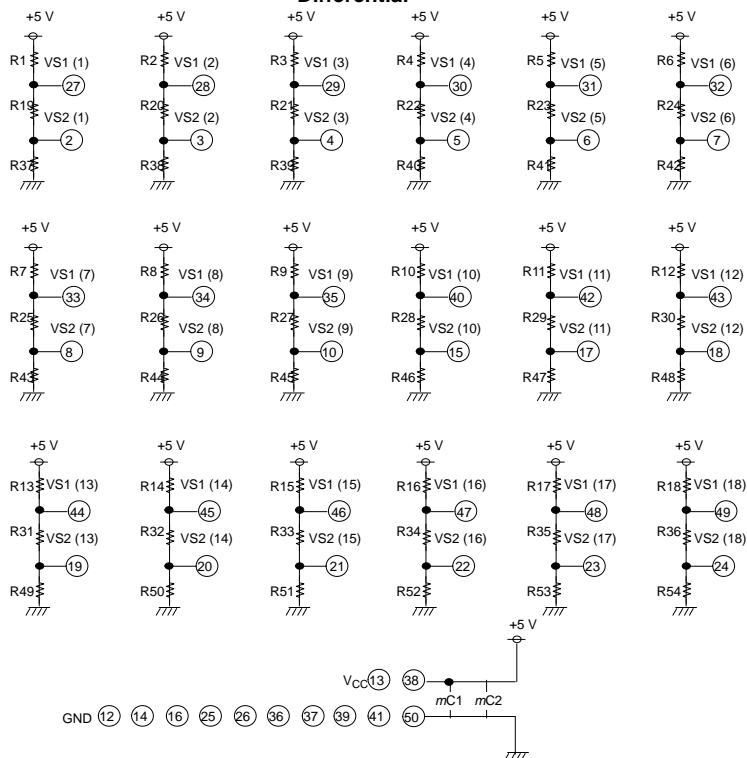
Note: *with voltage control circuit

MATERIAL

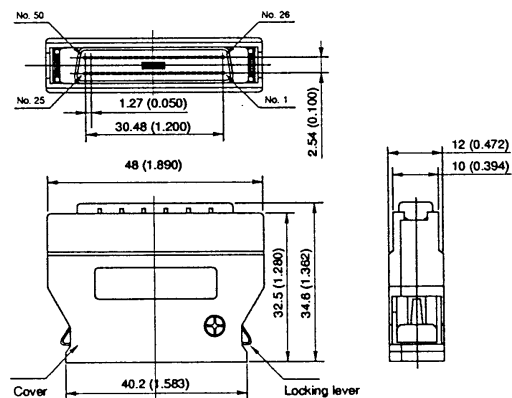
Insulator	PPS
Contact	Copper Alloy: gold over palladium over nickel (PAGOS)
Shell	Zinc die-cast for FCN-239, Steel (nickel-plating) for FCN-789
Cover	Zinc die-cast (nickel plating) for FCN239, Nickel-plated ABS for FCN789
Resistor PCB	Aluminum

FCN-239 SERIES TERMINATOR

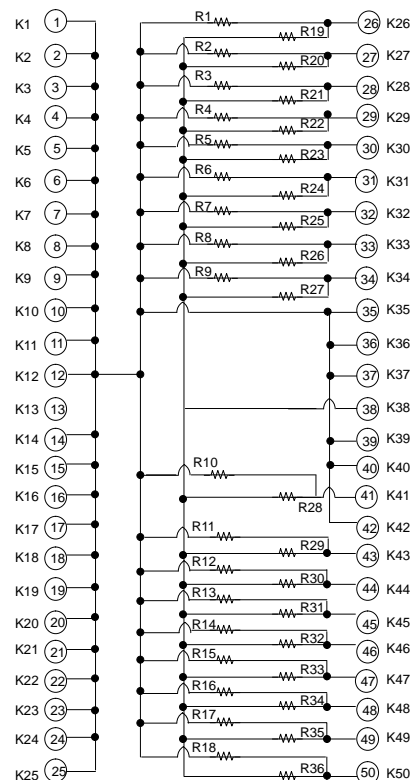
**FCN-239P050-G/D
Differential**



FCN-239 Series

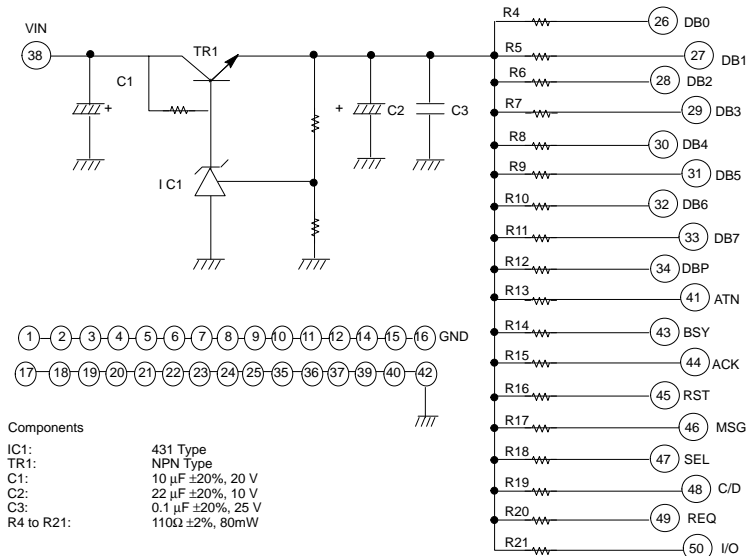


**FCN-239P050-G/E
Single ended Passive**



R1 - R18, 330 $\Omega \pm 5\%$, 125 mW
R19 - R36, 220 $\Omega \pm 5\%$, 125 mW

**FCN-239P050-G/C
Single ended Active**

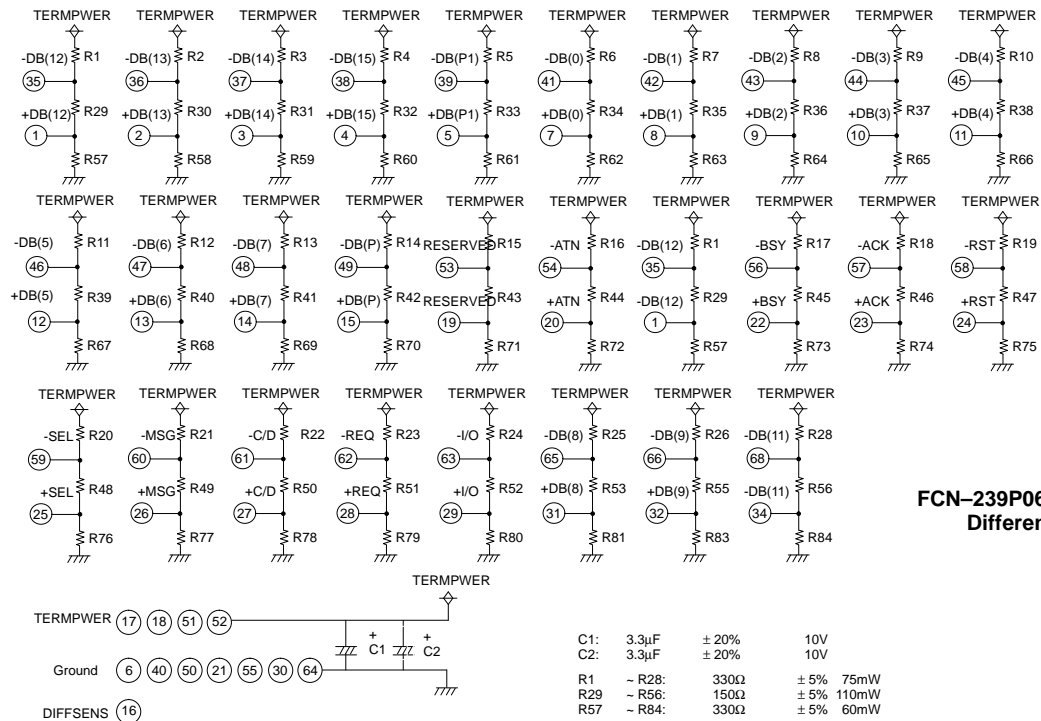
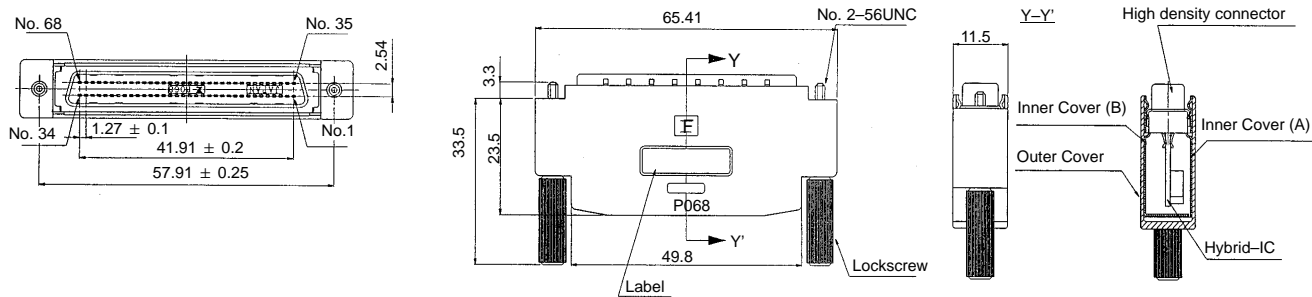


Components

IC1: 431 Type
TR1: NPN Type
C1: 10 $\mu\text{F} \pm 20\%$, 20 V
C2: 22 $\mu\text{F} \pm 20\%$, 10 V
C3: 0.1 $\mu\text{F} \pm 20\%$, 25 V
R4 to R21: 110 $\Omega \pm 2\%$, 80mW

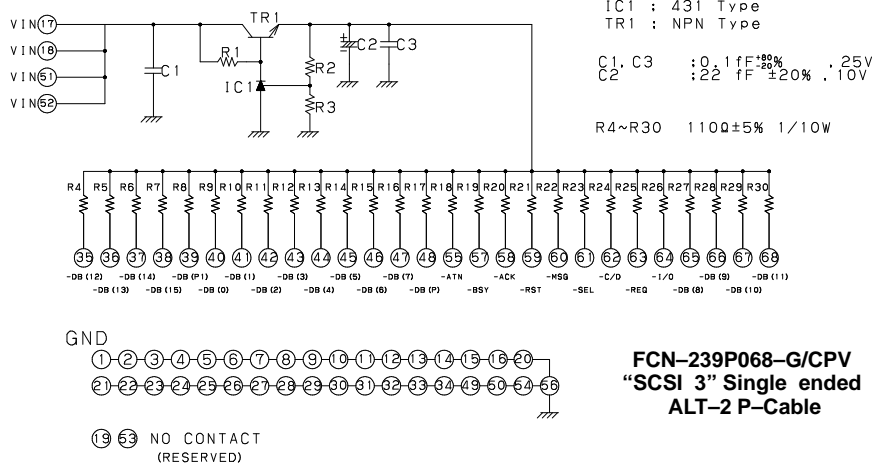
SCSI III "WIDE SCSI"

DIMENSIONS

FCN-239P068-G/DP
Differential

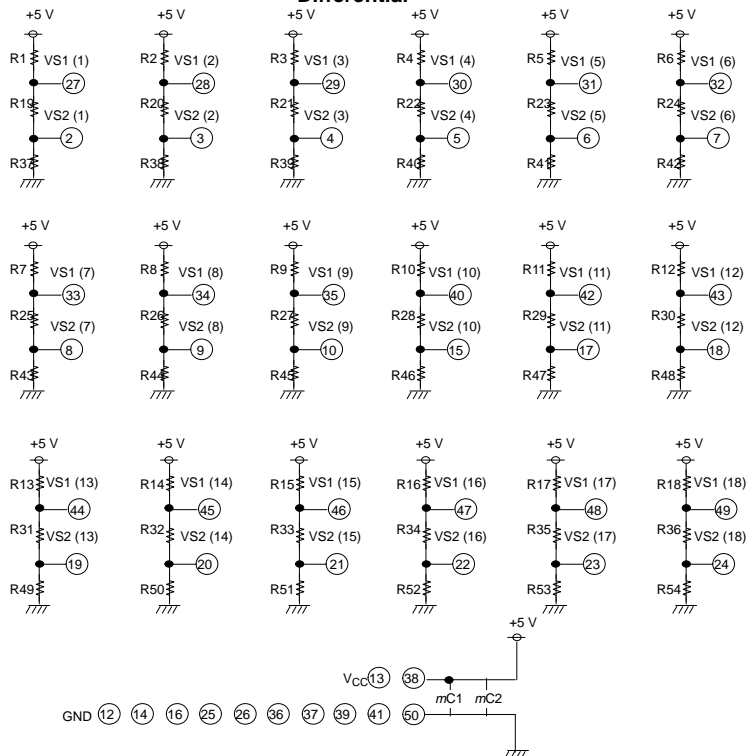
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COMPONENTS

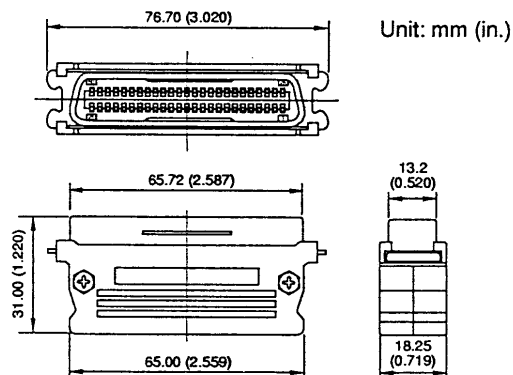
FCN-239P068-G/CPV
"SCSI 3" Single ended
ALT-2 P-Cable

FCN-789 SERIES TERMINATOR

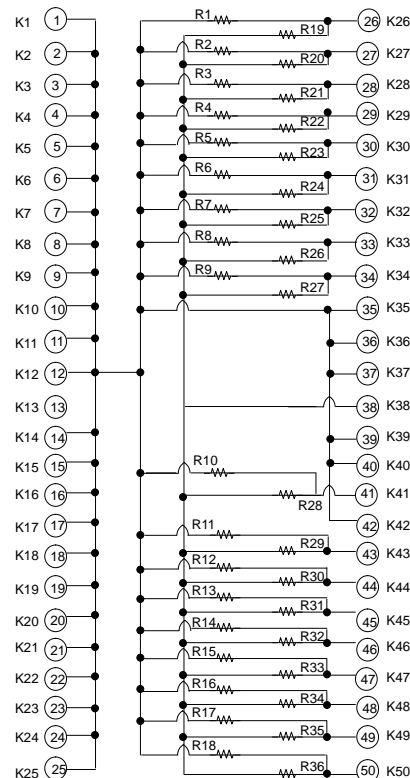
**FCN-789P050-L/D
Differential**



FCN-789 Series



**FCN-789P050-L/A
Single ended Passive**



R1 - R18, 330 $\Omega \pm 5\%$, 125 mW
R19 - R36, 220 $\Omega \pm 5\%$, 125 mW

**FCN-789P050-L/A
Single ended Active**

