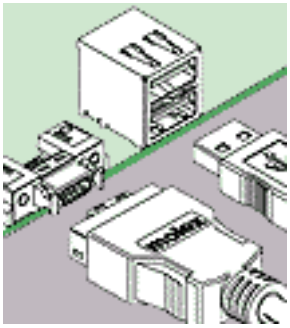
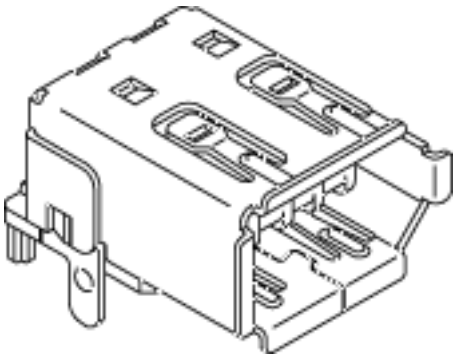


Datasheet
Input / Output (General) Overview

53462-0629

2.00mm (.079") Pitch IEEE 1394-1995 Shielded I/O PCB Socket, Right Angle, Flat, SMT, Lead-free

View all parts in series 53462 | 2D Dimensions | E-mail this page | Samples | Buy



Features and Benefits

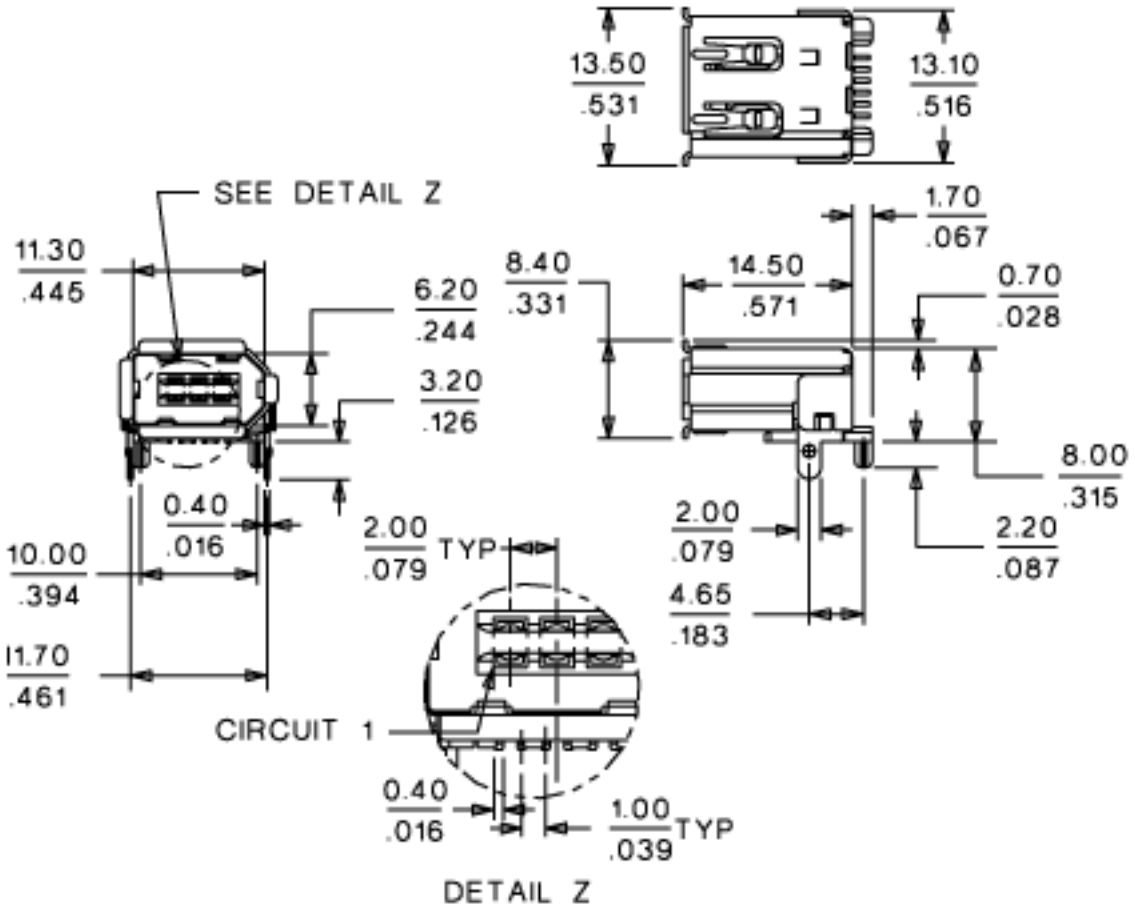
- Sizes 6 circuits
- Provides the interface for speeds up to 400 mbps
- Full metal shielding for ESD protection
- High temperature plastic housing for SMT processing
- Rugged gold-plated leaf contacts withstand up to 1,500 cycles
- Polarized shell design and friction lock grounding fingers ensure plug retention

Status	Active
Status - Eng.	Active
Access Level	Internet
Product Name	IEEE 1394
Circuits / Positions	6
Component	Receptacle
Application	Wire-to-Board
Pitch / Center Spacing	2.00mm (.079")
Shielded	Yes
Orientation	Right Angle
RELATED PRODUCTS	
Mates With	59233-0xxx, 59233-3xxx, 59233-5xxx, 59233-6xxx, 59233-7xxx
Polarized to Mating Part	Yes
Lock to Mating Part	Detent
MOUNTING	
Panel Mount	No
PCB Mounting	Surface Mount
PCB Retention	Beveled Metal Pin
Shield PCB Retention Solder Tail	Yes
PCB Thickness	1.6mm (.062")
ELECTRICAL	
Current-max [amps]	0.5A, 1.5A
Voltage-max [volts]	40V
Withstanding Voltage	500V AC
Contact Resistance [ohms]	50 milliohms max. - Shell, 30 milliohms max. Terminal
Insulation Resistance [ohms]	100 Megohms min.

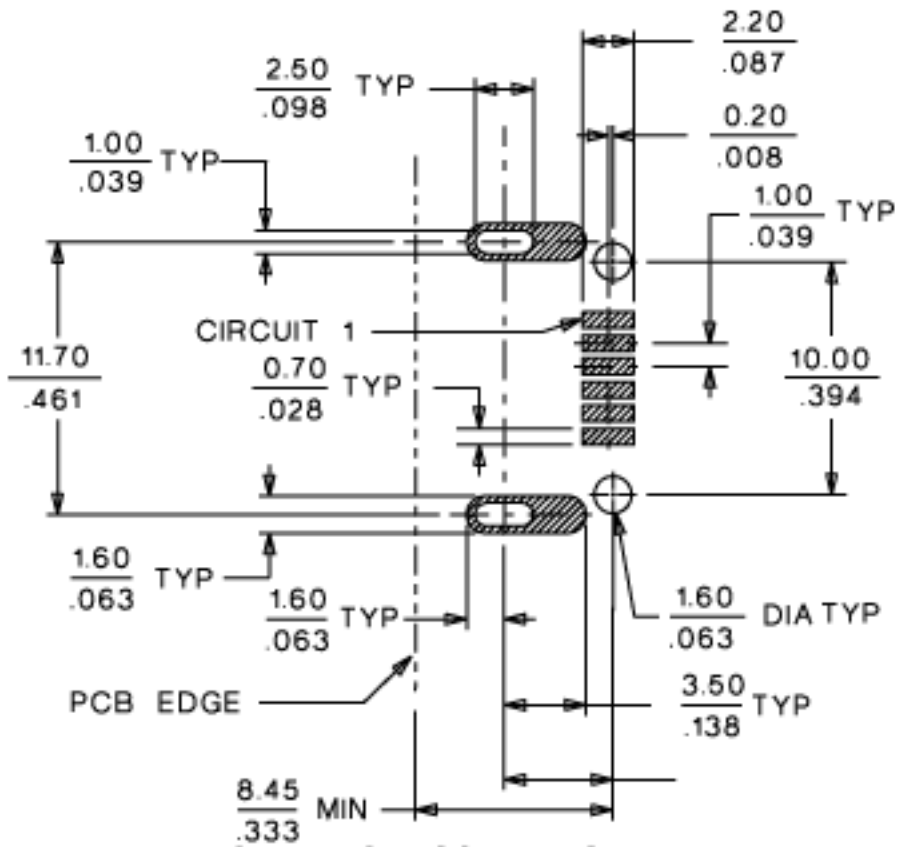
MECHANICAL	
Mating Force - max. (total)	39.2N (8.81 lb)
Unmating Force - min. (total)	9.8N (2.21 lb)
Contact Retention Force-min. (per circuit)	4.9N (1.10 lb)
Cable Pull-Out Force-min.	98.0N (22.30 lb)
PHYSICAL	
Housing Material	PA Polyamide (Nylon) 4/6, Glass-filled
Color	Black
Flammability	UL 94V-0
Contact	Brass (CuZn)
Plating Contact	Gold (Au)
Plating Tail	Tin (Sn)
Under Plating	Nickel (Ni)
Durability [mating cycles] min.	1500 cycles
Temperature Range	-25°C to +85°C
REFERENCE	
Packaging	Tray
990 Catalog Page	Q-5
Overview	IEEE 1394[-8360]
Molex Series	53462
Publish Date	2004-12
Last Changed Date	2004-12
Product Management	J
Lab Office	J
Customer Approved	Matsushita Electric Industrial, Siemens, Sony

2D D R A W I N G - For reference only. See technical Drawing (PDF) for design-in purposes.

DIMENSIONS	
Designed In	Millimeters

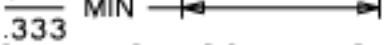


DETAIL Z



PCB LAYOUT:SOLDER SIDE

RECOMMENDED PCB THICKNESS: 1.60 / .063



PCB LAYOUT:SOLDER SIDE

RECOMMENDED PCB THICKNESS: 1.60 / .063