Mini SAS Series

UPGRADED VERSION CAN SUPPORT SAS 3.0 ELECTRICAL PERFORMANCE SPEC (12GB/S DATA RATE)

Fully compliant with SFF–8087 specification provide interface for higher speed up to 6Gb/s data rate per channel (meet SAS 2.0 electrical performance spec). Upgraded version can support SAS 3.0 electrical performance spec (12Gb/s data rate).

- Combination design for the connector/cage assembly facilitates board assembly
- 6Gb/s and 12Gb/s options
- Left, right, dual, universal options
- Cage DIP and SMT options
- Cage peg length 1.96 ~ 3.4mm options

TARGET MARKETS

FEATURES

- Fully compliant with SFF–8087 specification

- 36 pins configuration

- 6Gb/s and 12Gb/s options

- Left, right, dual, universal options

BENEFITS

- Combination design for the connector/cage assembly facilitates board assembly

- The cage acting as a pick and place cap for automated placement

- Upgraded version can support SAS 3.0 electrical performance spec (12Gb/s data rate)

- Cage DIP and SMT options

TECHNICAL INFORMATION

MATERIAL

▪ Housing: High temperature thermoplastic, UL94V-0

▪ Contact: Copper alloy, selective gold plating on contact area, tin plated on soldering tail, nickel under-plated overall

MECHANICAL PERFORMANCE

▪ Mating Force: 55.5 N max.

▪ Un-mating Force: 49.0 N max.

▪ Durability: 250 cycles, Cycling rate: 10cycles/minute

ELECTRICAL PERFORMANCE

▪ Current Rating: 0.5A max.

▪ Contact Resistance: 30mΩ max. initially , ΔR 20mΩ max. after test

▪ Voltage: 30V AC

ENVIRONMENTAL

▪ Thermal Shock: No evidence of damage. EIA 364-32C

▪ Humidity Temperature Cycling: No appearance damaged. EIA-364-31

▪ Temperature Life: No appearance damaged, EIA-364-17

▪ Mixed Flowing Gas: No appearance damaged, EIA 364-65

SPECIFICATIONS

▪ Amphenol Specification: PS-7326

APPROVALS & CERTIFICATION

▪ EIA

PACKAGING

▪ Tape & Reel

▪ Tray

TARGET MARKETS/APPLICATIONS

Consumer

Communications

Data center
Server
Storage
Switch

Industrial & Instrumentation

PART NUMBERS

Description	Part Numbers
Mini SAS 6G V/T type	G40MV36U12AEUN G40MV36XX1BPEU G40MV36XX3XEU G40MV36XX5BEU G40MV36XXXXEU G40MV36XXXXKEU
Mini SAS 6G R/A type	G40MR36X1XBEUN G40MR36X12BEUN G40MR36XXXXCEU G40MR36XXXXKEU G40MRXXXX3XEU G40MRXXXXXXCEU G40MRXXXXXXDEU G40MRXXXXXXXEU
Mini SAS 12G V/T type	G40NV36XXXXEU
Mini SAS 12G R/A type	G40NR36XXXXEU