

Mini-SAS HD

Amphenol ICC's Mini-SAS High Density receptacle is the next generation SAS system; the SAS 2.1 standard meets SAS-3 next generation speed and density requirements that provides faster data transmission and more bandwidth for end users. The low-profile system provides 4X and 8X cable-plug options, and the external I/O connectors include eight sideband signals per 4X port, 1x4 configuration for up to 192Gb/s of total bandwidth. Mini-SAS HD is designed to save space with its increased density and reduced size as compared to the Mini-SAS 2.0, while following complacency with the standard. The Mini-SAS HD connector system has a 2-row, right angle connector with data rates reaching 12Gb/s per channel. Mini-SAS HD can support up to 24G per channel and can meet SAS-4 and PCIe Gen4/5.



TARGET MARKETS



TECHNICAL INFORMATION

MATERIAL

- Housing: Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic
- Contacts Base Material: Phosphor Bronze
- Plating Solder Tails: Matte tin or Gold flash options
- Plating Mating Area: Gold

MECHANICAL PERFORMANCE

- Durability: 250 mating cycles
- Mating Force: 62 N max.
- Contact Normal Force: 50 grams min.
- PCB Thickness (Cage): 3.00 mm (0.118in.) min.
- Unmating Force (Cage): 30 N max.

ELECTRICAL PERFORMANCE

- Operating Voltage: 30 VDC per contact
- Operating Current: 0.5 A per contact
- Differential Impedance: 100Ω +/- 10Ω

ENVIRONMENTAL

- Operating and (Storage) Temperature: -40°C to +85°C
- RoHS & Halogen-Free

TOOLING INFORMATION

- Configurations: 1X1, 1X2, 1X4

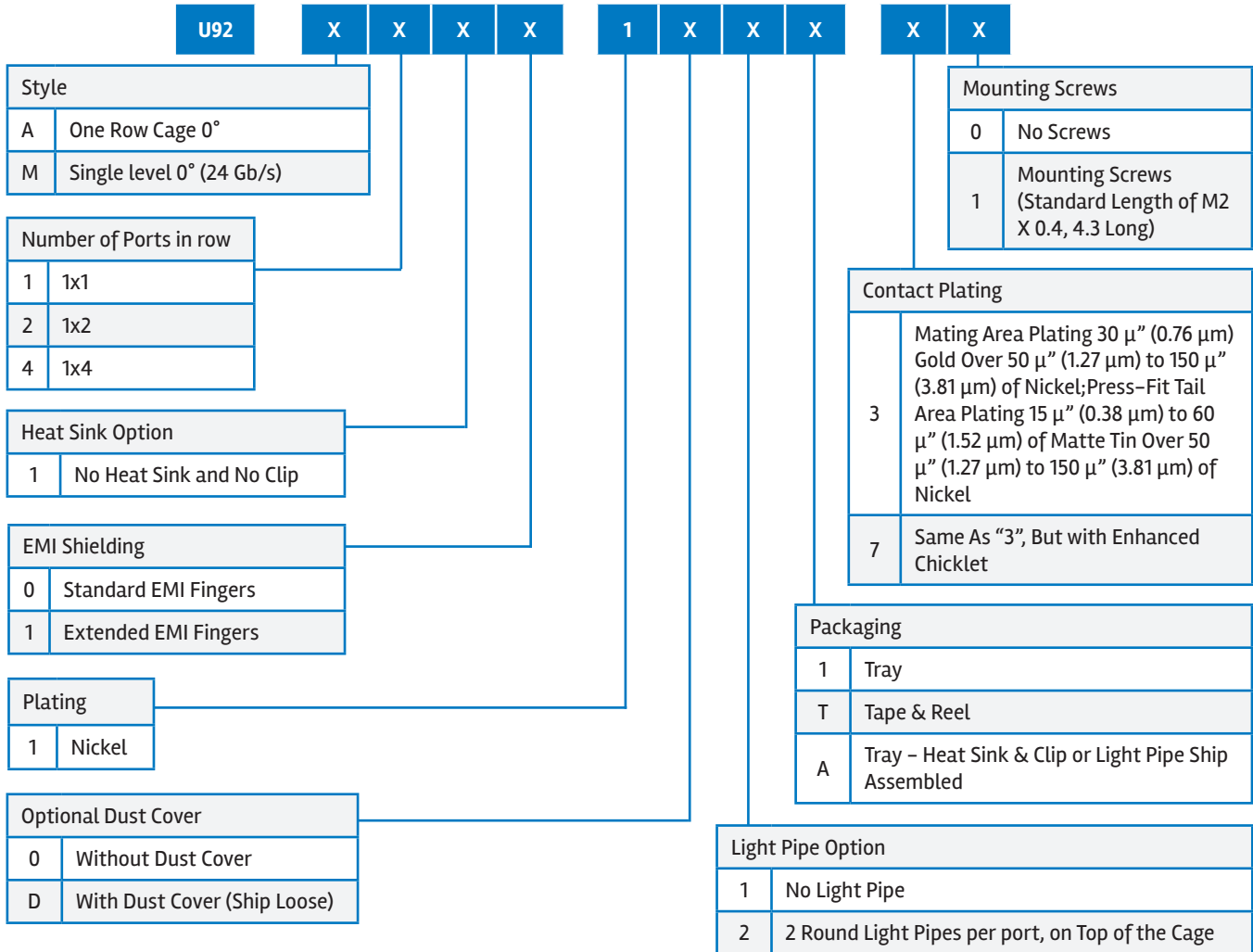
TARGET MARKETS/APPLICATIONS



Blade Server
Patch Panels
RAID
Rack-mount server
Router
Servers
Storage Rack
Workstation

PART NUMBER SELECTOR

Mini-SAS HD Combo (Cage/Connector)



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [I/O Connectors](#) category:

Click to view products by [Amphenol](#) manufacturer:

Other Similar products are found below :

[571763P](#) [58098-0628](#) [72.250.1628.2](#) [72.250.2428.2](#) [74720-0505](#) [76.350.0729.0](#) [76871-1403](#) [FCN-244F080-G/1](#) [FCN-260A9920](#) [MP-5T180MUNNA-005](#) [PCR-E36PM](#) [PCS-XE26MA+](#) [G38A71314B](#) [1571250010](#) [157-22500-3](#) [MS3471L14-19P L/C](#) [192991-0703](#) [172501-4002](#) [172501-6002](#) [FCN-260C008-A/L0](#) [FCN-260C024-AL0](#) [FCN-261Z008](#) [2000314-1](#) [200331-1](#) [PCR-E36FC+](#) [PCS-E28FS+](#) [PCS-XE26SLFD+](#) [PCS-XE26SLFDT+](#) [G730VID08BDC24](#) [HDR-E14MSG1+](#) [U90B2054081210](#) [UE86K842720321](#) [38113800006](#)
[DP3AR020WQ1R200](#) [Z4.102.0680.0](#) [500-1040](#) [500-1052](#) [500-1054](#) [ZP-4008-66L](#) [0709821002](#) [DX40-20P\(55\)](#) [5554841-1](#) [MS3474W18-8P-LC*](#) [SM3106F14S-7S-LC](#) [U90B3054061110](#) [U65-E04-4020](#) [ZPF000000000097891](#) [557-262M2-06C](#) [747360449](#) [10099439-003C-TRLF](#)