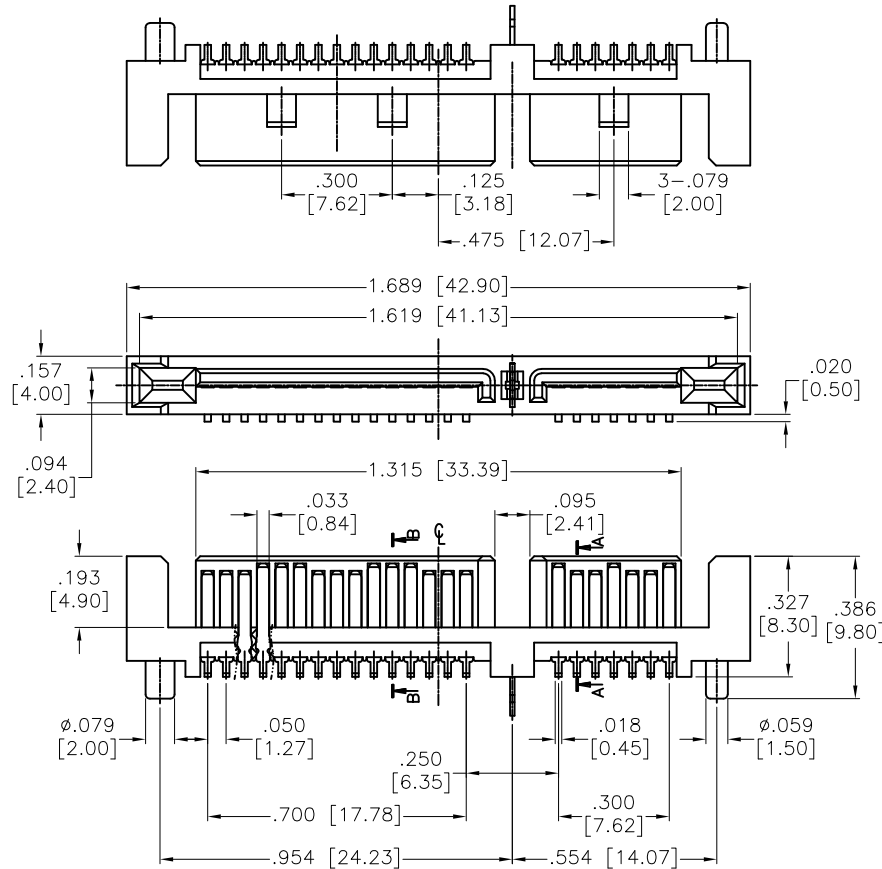
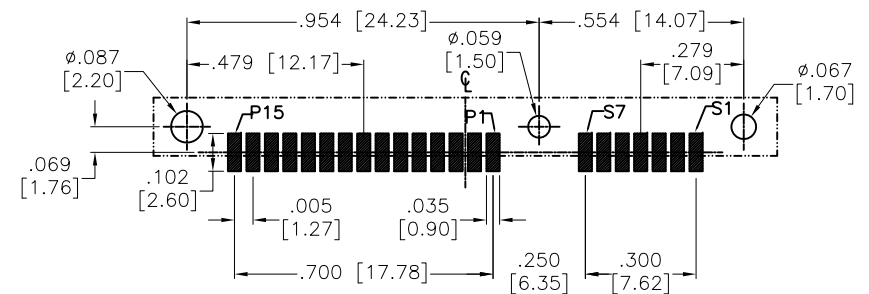


APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

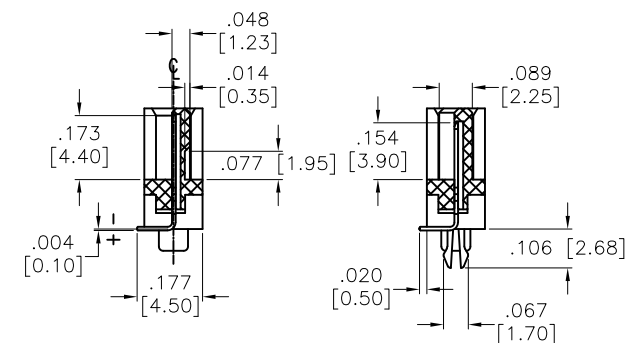
| Rev | AWO # | Description    | Date    | Appr  |
|-----|-------|----------------|---------|-------|
| -   |       | RELEASED       | 5/23/05 |       |
| A   |       | UPDATE DRAWING | 6/18/20 | AY/EY |



| Pin NO. | Signal Name | Pin NO. | Power Name | Pin NO. | Power Name |
|---------|-------------|---------|------------|---------|------------|
| S1      | GND         | P1      | V3.3       | P9      | V5         |
| S2      | A+          | P2      | V3.3       | P10     | GND        |
| S3      | A-          | P3      | V3.3       | P11     | DAS/DSS    |
| S4      | GND         | P4      | GND        | P12     | GND        |
| S5      | B-          | P5      | GND        | P13     | V12        |
| S6      | B+          | P6      | GND        | P14     | V12        |
| S7      | GND         | P7      | V5         | P15     | V12        |
|         |             | P8      | V5         |         |            |



RECOMMENDED P.C.B. LAYOUT



SECTION B-B

SECTION A-A

SPECIFICATIONS:

Material:

Insulator: (LCP) Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Brass

Harpoon: Brass, Tin over Nickel plated

Plating:

Gold flash over Nickel underplate on mating area,

Tin over Nickel underplate on tails

Electrical:

Current rating: 1.5 Ampere Per Contact

Contact resistance: 30 mohms max

Insulation resistance: 1,000 Mohms min

Dielectric withstanding voltage: 500 VAC

Temperature Rating:

Operating temperature: -55°C to +85°C

Environmental:

Lead free, RoHS compliant



UNLESS OTHERWISE SPECIFIED  
ALL DIMENSIONS ARE INCHES [MM]  
TOLERANCES: EXCEPT AS NOTED  
INCHES HOLES  
.X ±.10 Ø.X ±.10  
.XX ±.020 Ø.XX ±.015  
.XXX ±.015 Ø.XXX ±.010

APPROVALS DATE

DRAWN SS 5/23/05

CHECKED

APPROVED



TITLE SERIAL ATA CONNECTOR, TYPE G  
SURFACE MOUNT

SIZE X PART NO. SATA-G-PM-SMT REV. A

REF: S00078T SCALE: NTS SHEET 1 OF 1