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**End Application:**

Wsd 39a

**Center To Center Distance Between Terminal Holes:**

0.100 inches

**Termination Type:**

Connector receptacle both ends all conductors

**Conductor Quantity:**

25

**Conductor Form:**

Solid all conductors

**Product Name:**

Cable assembly tlc 50 ohm

**Round Conductor Size:**

30 awg all conductors

**Conductor Arrangement And Quantity:**

25 molded

**Special Features:**

Connector contains standard pressure copper alloy receptacle contacts plated with .000030 min inch thick gold over .000050 inch min thick nickel in mating area; p2 conn must mate and latch to amp part no 1-1021258-0; p1 and p2 conn housing shall be thermoplastic; conn shall be 50 position header; pull tabs shall be provided; cable shall be 50 ohm transmission line cable; 25 signal conductors 30 awg silver plated copper; 50 grd conductors 32 awg silver plated copper; 50 +-5 ohm impedance; 28 pico-farads per ft impedance; 14 nanoseconds per foot propagation delay; pin 1 shall be clearly identified on connectors p1 and p2; resistance of cable assembly shall be less than .21 ohms for signal conds and less than .18 ohms for grd conds; cable assemblies shall be able to withstand 300 vdc between any adjacent signal and/or grd paths; impedance of cable assembly shall be 50 +-5 ohms

**Material:**

Copper core conductor all conductors and silver core conductor all conductors

**Precious Material And Location:**

Receptacle contacts plated with .000030 inch thick min gold and all conductors silver plated silver

**Precious Material:**

Gold and silver

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

No

**Fiig:**

A077a0