

View Online at <https://aerobasegroup.com/nsn/5995-01-521-8630>

**End Application:**

Missile, patriot

**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:**

Housing contains standard pressure copper alloy receptacle contacts plated w/ 0.000030 min inch thick gold over 0.000050 min inch thick nickel in mating area; p2 connector must mate and latch to amp part no 1-102158-0; p1 and p2 connector housing shall be thermoplastic; housing is 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 grnd conductors 32 awg silver plated copper; 50 +-5 ohm impedance; 28 pico-farads per foot capacitance; 14 nano seconds per foot propagation delay; pin 1 shall be clearly marked on p1 and p2; resistance of cable assembly shall be less than .21 ohms for signal conductors and less than .18 ohms for grnd conductors; cable assemblies shall be able to withstand 300 vdc between any adjacent signal and/or grnd paths; impedance of cable assembly shall be 50 +-5 ohms

**Material:**

Copper core conductor all conductors

**Precious Material And Location:**

All connectors plated with .000030 min thick gold gold and all conductors plated with silver silver

**Precious Material:**

Gold and silver

**Surface Treatment:**

Silver core conductor all conductors

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

No

**Fiig:**

A077a0