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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 with .000030 inch min thick gold over .000050 inch min thick nickel in mating area; p2 conn must mate and latch to amp part no 1-102158-0; p1 and p2 conn housing shall be thermoplastic; housing is a 50 position header; pull tabs shall be provided; cable shall be 50 ohm transmission line; 25 signal cond 30 awg silver plated copper; 50 grnd cond 32 awg silver plated copper; 50 +-5 ohm impedance; 28 pico-farads capacitance; 14 nanoseconds per foot propagation delay; pin 1 shall be clearly identified on p1 and p2; resistance of cable assembly shall be less than .21 ohms for signal conds and less than .18 ohms for grnd conds; 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 and silver core conductor all conductors

Precious Material And Location:

.000030 inch thick min plating on receptacle contacts gold and signal and grnd conductors plated with silver silver

Precious Material:

Gold and silver

Shelf Life:

N/a

Unit Of Measure:

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Demilitarization:

Yes - demil/mli

Fig:

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