

MILL-MAX MFG. CORP.

RoHS COMPLIANT PART DESCRIPTION

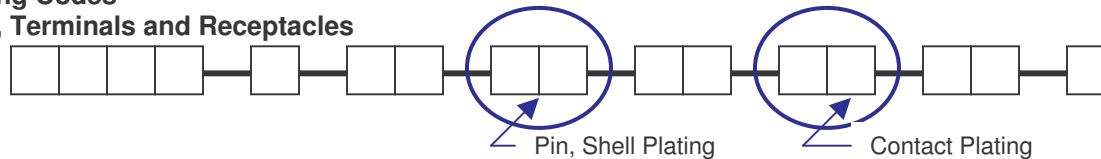


Pin, Shell, and Contact Material

Type	Description (maximum values)
Pin, Shell (All)	Copper Alloy: Cu (61.5%), Zn (35.4%), Pb (3.1%). (Lead up to 4% allowed per EC/2002/95 Annex item 6)
Contact	Beryllium Copper Alloy: Cu (97.4%), Be (2.0 %), Ni+ Co+ Fe (0.6%) Beryllium Nickel Alloy: Ni (97.3%), Be (2.0 %), Ti (0.6%), Al (0.1%)

Plating Codes

Pins, Terminals and Receptacles

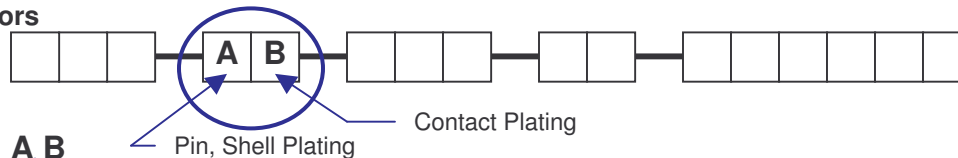


mi = micro inches

Code	Description
* 80	200 - 300 mi Sn (matte finish) over 100 -150 mi Ni
* 83	120 - 220 mi Sn (matte finish) over 100 - 150 mi Ni
* 84	100 - 200 mi Sn (matte finish) over 50 - 100 mi Ni
14	10 mi Au over 50 - 100 mi Ni
15	10 mi Au over 100 - 150 mi Ni
27	30 mi Au over 50 - 100 mi Ni

Note: All Gold Platings are RoHS compliant. Other Gold plating codes for pins and receptacles are; 09, 10,12,13,16,17,18,19,20,21,22,23,24,25,26,28,29,30, 31,32,33,34,35,36,37,38,51

Connectors



A B	Description
1 0	10 mi Au over 100 - 150 mi Ni , no Contact
1 3	Shell 10 mi Au over 100 - 150 mi Ni, and 30 mi Au over 50 - 100 mi Ni
* 4 0	200 mi Sn (matte finish) over 100 - 150 mi Ni, no Contact
* 4 1	Shell 200 mi Sn (matte finish) over 100 - 150 mi Ni, and Contact 10 mi Au over 50 - 100 mi Ni
* 4 3	Shell 200 mi Sn (matte finish) over 100 - 150 mi Ni, and Contact 30 mi Au over 50 - 100 mi Ni
* 4 4	Shell 200 mi Sn (matte finish) over 100 - 150 mi Ni, and Contact 100 - 200 mi Sn over 50 - 100 mi Ni

Insulator

Description

FR4	Epoxy laminate HDT 177°C / 350°F, CUT 140°C / 284°F
PCT	Thermoplastic Polyester, 30% glass filled, rated UL94 V-O, HDT 255°C / 491°F, CUT 130°C / 266°F
Nylon 46	Thermoplastic Polyamide, 45% glass filled, rated UL94 V-O, HDT 285°C / 545°F, CUT 149°C / 300°F

* Pure tin matte finish plating, over a nickel underplate, can exhibit whisker growth.

June 6, 2006