MILITARY MICRO-D METAL SHELL
STRAIGHT BOARD MOUNT

<table>
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<th>A MAX</th>
<th>B ±0.007</th>
<th>C MAX</th>
<th>D MAX</th>
<th>E MAX</th>
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CRISTEK’S P/N EQUIVALENT
TO M83513 MIL SPEC.

SLASH NUMBER (M83513/##)
22 = PLUG SIZE 9-37
23 = PLUG SIZE 51
24 = PLUG SIZE 100
25 = RECEPTACLE Size 9-37
26 = RECEPTACLE Size 51
27 = RECEPTACLE Size 100

NUMBER OF CONTACTS
A = 9     D = 25   G = 51
B = 15   E = 31   H = 100
C = 21   F = 37

TERMINATIONS
01 = .109 ± .015
02 = .140 ± .015
03 = .172 ± .015
ALL 24 AWG (.020 DIA)
HOT SOLDER DIPPED

SHELL FINISH
C = CADMIUM
N = NICKEL

SHELL HARDWARE
N = NO HARDWARE
P = JACKPOST PER M83513/05-07 SIZES 9 THRU 51
JACKPOST PER M83513/05-17 FOR Size 100

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:
SHELL - ALUMINUM ALLOY
INSULATOR & BACKSHELL - GLASS FILLED THERMOPLASTIC
CONTACT - COPPER ALLOY
INTERFACIAL SEAL (RECEPT) - FLUOROSILICONE BLEND

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM OVER
ELECTROLESS NICKEL
CONTACT - GOLD OVER NICKEL

3. SPECIFICATIONS:
CURRENT RATING -------------- 3 AMPS MAX
TEMPERATURE RATING -------- -55° C TO +125° C
INSULATION RESISTANCE ------ 5000 MEGOHMS MIN
DWV AT SEA LEVEL ----------- 600 VAC
DWV AT 70,000 FT ALTITUDE -- 150 VAC
CONTACT RESISTANCE -------- 24 AWG = 25 MILLIOHM MAX
CONTACT RETENTION --------- 5 lb MINIMUM AXIAL LOAD
ENGAGEMENT FORCE ---------- 6 oz MAX
SEPARATION FORCE --------- 0.5 oz MIN

MATERIALS AND FINISHES ARE IAW MIL-DTL-83513
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

4. ADDITIONAL INFORMATION:
FOR CROSS-REFERENCING CRISTEK PART NUMBERS TO M83513, SEE CROSS REFERENCE
INFORMATION IN THE FRONT OF THIS SECTION.
FOR MOUNTING HARDWARE OPTIONS, SEE THE
HARDWARE PAGES AT THE END OF THIS SECTION
DESIGN AND PERFORMANCE IN GENERAL
ACCORDANCE WITH M83513.

CRISTEK.COM
RECEPTACLE PCB LAYOUTS

.100 X .100 GRID PATTERN OFFSET .050

9 CONTACTS

15 CONTACTS

21 CONTACTS

25 CONTACTS

31 CONTACTS

37 CONTACTS

51 CONTACTS

100 CONTACTS

CRISTEK.COM

888.265.9162