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

1. MATERIALS:
   INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
   PIN/SOCKET CONTACT - COPPER ALLOY
   LEAD - BRASS

2. FINISH:
   PIN/SOCKET CONTACT & LEAD - GOLD OVER NICKEL
   (LEADS ARE TYPICALLY HOT SOLDER DIPPED)

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 -------- 8 MILLIOHMS MAX AT 2.5 AMPS
   LOW LEVEL CONTACT -------- 10 MILLIOHMS MAX
   RESISTANCE
   CONTACT RETENTION -------- 5 lb MINIMUM AXIAL LOAD
   ENGAGEMENT FORCE -------- 6 oz MAX
   SEPARATION FORCE -------- 0.5 oz MIN

4. ADDITIONAL INFORMATION:
   DESIGN AND PERFORMANCE IN GENERAL
   ACCORDANCE WITH M83513 WHERE APPLICABLE.

SURFACE MOUNT PLASTIC SHELL
RIGHT ANGLE MICRO-D

GENDER
1 = RECEPTACLE, SOCKET CONTACTS
2 = PLUG, PIN CONTACTS

NUMBER OF CONTACTS
   015  031  (SIZE 9 AVAILABLE WITHOUT STANDOFFS)
   021  037
   025  051

SHELL HARDWARE
0 = NO HARDWARE
1 = JACKPOST PER M83513/05 - 07
2 = SLOTTED JACKSCREW PER M83513/05 - 05

TBD

THREADED INSERT STANDOFF(S)
(OMIT FOR SIZE 9)
SERIES SPR
MICRO-D PLASTIC SHELL
SURFACE MOUNT RIGHT ANGLE

REV 4 OF SHT .XXX ±.005 DWG. NO.TOLERANCE:
SPR 4 .XX ±.01
K .350
.410 MAX
.40 MAX

.350
.450
.510 MAX

.550
.510 MAX
.560 MAX

15 CONTACTS
21 CONTACTS
25 CONTACTS
31 CONTACTS
37 CONTACTS
51 CONTACTS

#2-56 X .165 DEEP THREADED INSERT .120 O.D. TYP

#18 CONTACTS 31 CONTACTS
21 CONTACTS 51 CONTACTS
15 CONTACTS 37 CONTACTS

BOTTOM VIEW OF CONNECTOR
RECEPTACLE PIN NO’S ARE NEXT TO FOOT
PLUG PIN NO’S ARE CIRCLED

CRISTEK.COM 888.265.9162