HCR — X  XXX — X  X  X

HYBRID MINI-D RIGHT ANGLE BOARD MOUNT CONDENSED

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

NUMBER OF CONTACTS
009  025  051
015  031
021  037

SHELL HARDWARE/BODY STYLE
1 = JACKPOST/BODY STYLE #2
2 = LOW PROFILE JACKSCREW/BODY STYLE #1
3 = JACKPOST/BODY STYLE #1
4 = NO HARDWARE/BODY STYLE #2
5 = NO HARDWARE/BODY STYLE #1
6 = HIGH PROFILE JACKSCREW/BODY STYLE #1

SHELL FINISH
A = CADMIUM
B = NICKEL

TERMINATIONS
1 = .109 ± .015
2 = .140 ± .015
3 = .172 ± .015  ALL 24 AWG (.020 DIA)
4 = .190 ± .015  HOT SOLDER DIPPED
5 = .250 ± .015
6 = .125 ± .015

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
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
PIN/SOCKET 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 MILLIOMHS MAX
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
ACCORDING WITH MIL-DTL-83513 WHERE APPLICABLE.
CONTACT CRISTEK FOR OTHER CONFIGURATIONS.

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
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
PIN/SOCKET 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 MILLIOMHS MAX
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
ACCORDING WITH MIL-DTL-83513 WHERE APPLICABLE.
CONTACT CRISTEK FOR OTHER CONFIGURATIONS.

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
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
PIN/SOCKET 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 MILLIOMHS MAX
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
ACCORDING WITH MIL-DTL-83513 WHERE APPLICABLE.
CONTACT CRISTEK FOR OTHER CONFIGURATIONS.

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
PIN/SOCKET CONTACT - COPPER ALLOY

2. FINISH:
SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
PIN/SOCKET 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 MILLIOMHS MAX
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
ACCORDING WITH MIL-DTL-83513 WHERE APPLICABLE.
CONTACT CRISTEK FOR OTHER CONFIGURATIONS.

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

* SIZES 9-37:.100 X .075 GRID PATTERN OFFSET BY .050
HCR RECEPTACLE PCB LAYOUTS

* SIZES 9-37: .100 X .075 GRID PATTERN OFFSET BY .050