



MDG ### # - # # # # ## - #

CRISTEK METAL SHELL MICRO-D CONNECTORS (MATE WITH M83513)

NUMBER OF CONTACTS
 009 025 051
 015 031 069
 021 037 100

GENDER
 P = PIN, PLUG SHELL
 S = SOCKET, RECEPTACLE SHELL

HARDWARE
 T = TAPPED FOR 2-56 UNC SCREW
 U = TAPPED FOR 4-40 UNC SCREW

SHELL FINISH
 A = CADMIUM
 B - NICKEL
 C = ANODIZE (BLACK)
 D = CHEM FILM
 E = GOLD

TERMINATION
 0000 = SOLDER CUP

WIRE TYPE
 STRANDED
 H = HARNESS (MIL-W-16878/4)
 S = SPACE (MIL-W-22759/33)
 M = MILITARY (MIL-W-22759/11) *
 SOLID
 G = GOLD PLATED COPPER
 T = TIN PLATED COPPER *

"O" RING (OMIT FOR NONE)
 C = CONDUCTIVE, EMI
 D = DIELECTRIC, NON-CONDUCTIVE

WIRE LENGTH
 STRANDED
 01 = 6 INCHES
 02 = 12 INCHES
 03 = 18 INCHES
 04 = 24 INCHES
 05 = 36 INCHES
 06 = 72 INCHES
 SOLID COPPER
 25 AWG
 01 = 0.5 INCH
 02 = 1.0 INCH
 03 = 0.25 INCH
 24 AWG
 11 = 0.5 INCH
 12 = 1.0 INCH
 13 = 0.25 INCH

WIRE COLOR/SIZE
 0 = WHITE 26 AWG STRANDED *
 1 = YELLOW 26 AWG STRANDED
 2 = 10 SOLID COLORS REPEATED *
 26 AWG STRANDED
 3 = FULL COLOR CODE 26 AWG STRANDED
 9 = SOLID COPPER *

* = MOST COMMONLY USED & STOCKED WIRE TYPE AND HARDWARE OPTIONS

1. MATERIALS:

SHELL - ALUMINUM PER QQ-A-200/8 OR QQ-A-591
 INSULATOR - POLYPHENYLENE SULFIDE PER MIL-M-24519
 TYPE GST-40F
 PIN CONTACT - BERYLLIUM COPPER
 SOCKET CONTACT - COPPER ALLOY
 INTERFACIAL SEAL - FLUOROSILICONE BLEND
 "O" RING - FLUOROSILICONE BLEND

2. FINISH:

SHELL - CADMIUM PER QQ-P-416, TYPE II, CLASS 3 OVER
 ELECTROLESS NICKEL PER AMS 2404 OR
 ELECTROLESS NICKEL PER AMS 2404
 CONTACT - GOLD PER MIL-C-45204, TYPE II, GRADE C,
 CLASS I OVER NICKEL PER QQ-N-290.

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.
 CONTACT CRISTEK FOR OTHER TERMINATIONS.

CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	TITLE MICRO-D WITH O-RING	DWG. NO. MDG	
	FILENAME ADS-MDG-2	CODE IDENT NO. 67720	SHT 2 OF 2
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°			

1.2 MICRO CONNECTORS / MOTS

CMA ### # - # # # # ##

CRISTEK METAL SHELL ASSY
(CONTACT #1 WIRED TO CONTACT #1)

NUMBER OF CONTACTS

009	025	051
015	031	069
021	037	100

GENDER

P = PIN, PLUG SHELL
S = SOCKET, RECEPTACLE SHELL
B = PIN & SOCKET (ONE EACH END)

HARDWARE

0 = NONE

FACTORY INSTALLED (NON-REMOVABLE)

F = FLOAT MOUNT *
K = HIGH PROFILE SLOTTED JACKSCREW
L = LOW PROFILE HEX DRIVE JACKSCREW *
T = THREADED INSERT

M83513 HARDWARE - FACTORY INSTALLED

2 = LOW PROFILE HEX DRIVE *
3 = HIGH PROFILE HEX DRIVE
5 = LOW PROFILE SLOTTED *
6 = HIGH PROFILE SLOTTED
7 = JACKPOST KIT *
(HARDWARE FOR SIZES 9 - 69 IS #2-56,
HARDWARE FOR SIZE 100 IS #4-40)

WIRE LENGTH

STRANDED

01 = 6 INCHES
02 = 12 INCHES
03 = 18 INCHES
04 = 24 INCHES
05 = 36 INCHES
06 = 72 INCHES

WIRE COLOR/SIZE

0 = WHITE 26 AWG STRANDED *

TERMINATION

WIRE TYPE

STRANDED

H = HARNESS (MIL-W-16878/4)
S = SPACE (MIL-W-22759/33)
M = MILITARY (MIL-W-22759/11) *

SHELL FINISH

A = CADMIUM
B = NICKEL
C = ANODIZE
D = CHEM FILM
E = BLACK CADMIUM
F = FUSED TIN PLATE
G = GOLD

REFER TO CMD DATA SHEET FOR
DIMENSIONAL & PERFORMANCE DATA

CPA ### # - # # # # ##

CRISTEK PLASTIC SHELL ASSY
(CONTACT #1 WIRED TO CONTACT #1)

NUMBER OF CONTACTS

009	025	051
015	031	
021	037	

GENDER

P = PIN, PLUG SHELL
S = SOCKET, RECEPTACLE SHELL
B = PIN & SOCKET (ONE EACH END)

HARDWARE

0 = NONE

M83513 HARDWARE - FACTORY INSTALLED

2 = LOW PROFILE HEX DRIVE *
3 = HIGH PROFILE HEX DRIVE
5 = LOW PROFILE SLOTTED *
6 = HIGH PROFILE SLOTTED
7 = JACKPOST KIT (HARDWARE IS #2-56) *

WIRE LENGTH

STRANDED

01 = 6 INCHES
02 = 12 INCHES
03 = 18 INCHES
04 = 24 INCHES
05 = 36 INCHES
06 = 72 INCHES

WIRE COLOR/SIZE

0 = WHITE 26 AWG STRANDED *

TERMINATION

WIRE TYPE

STRANDED

H = HARNESS (MIL-W-16878/4)
S = SPACE (MIL-W-22759/33)
M = MILITARY (MIL-W-22759/11) *

INSULATOR MATERIAL

5 - POLYPHENYLENE SULFIDE

REFER TO CPD DATA SHEET FOR
DIMENSIONAL & PERFORMANCE DATA

* = MOST COMMONLY USED & STOCKED WIRE TYPE AND HARDWARE OPTIONS FOR OTHER TERMINATIONS, CONTACT CRISTEK.

CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	TITLE DOUBLE ENDED MICRO CABLE ASSY	DWG. NO. CMA/CPA		
	FILENAME ADS-CMA-CPA-1	CODE IDENT NO. 67720	SHT 1	OF 1
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°				