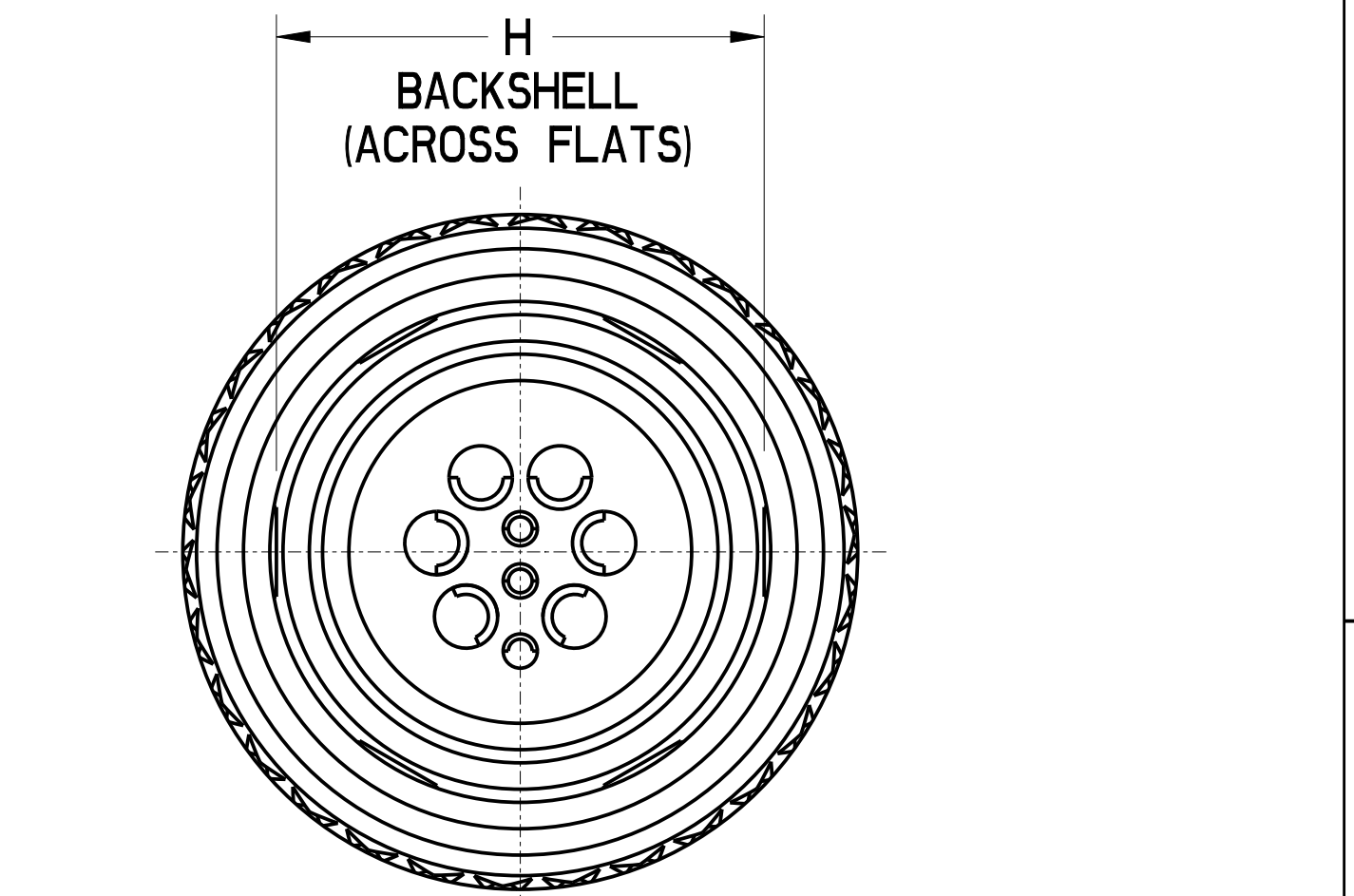
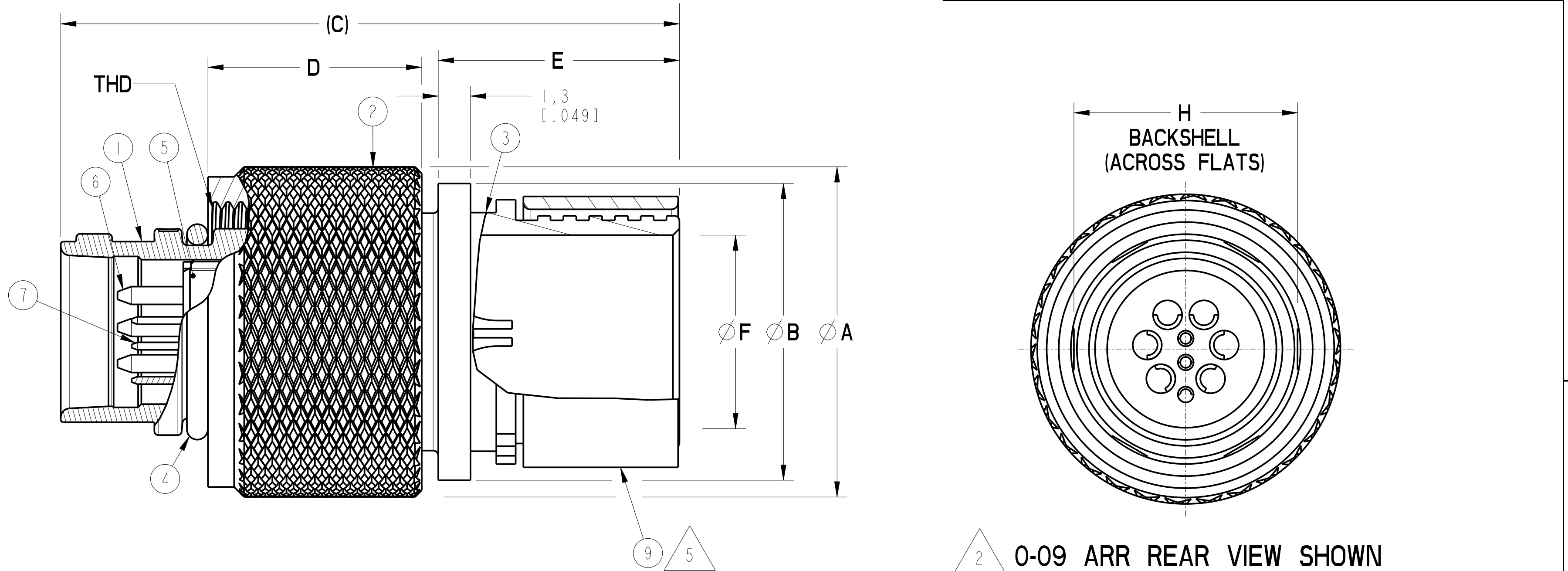
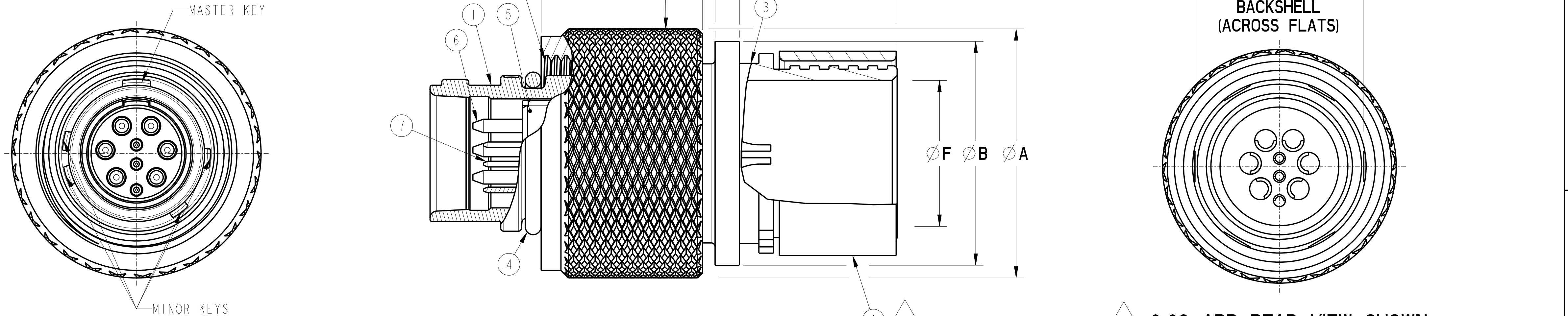
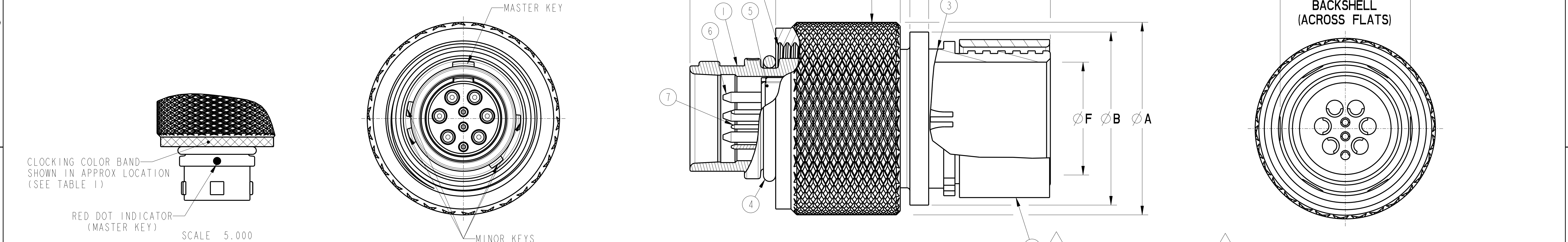




2 0-09 ARR REAR VIEW SHOWN

TABLE I - CLOCKING ARR.

CLOCKING	COLOR BAND
A	BROWN
B	RED
C	BLUE
D	GREEN

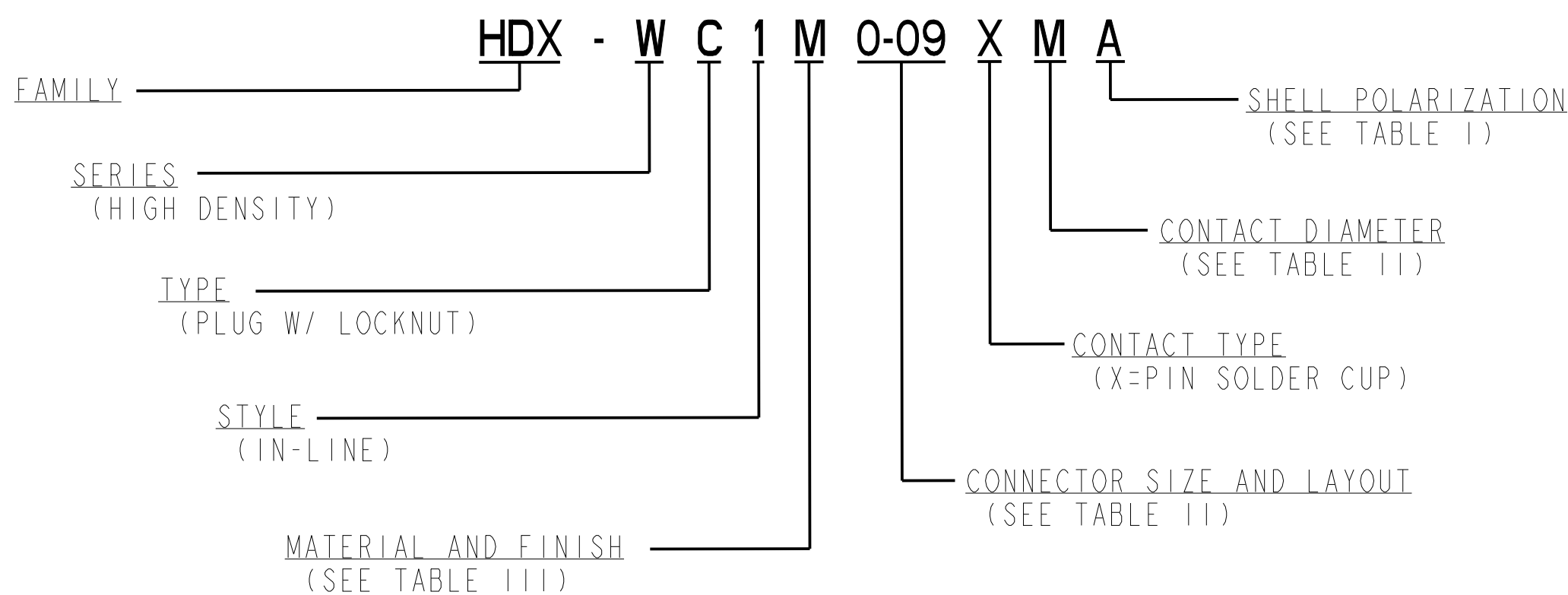
TABLE II - LAYOUT & DIMENSIONS

SIZE - LAYOUT	CONTACT DIA.	Ø A	Ø B	C	D	E	Ø F MAX CABLE	H	THD
0-09	M - MULTI	12,8 [.504]	11,5 [.453]	24 [.945]	8,3 [.327]	9,4 [.37]	6,5 [.256]	9,5 [.374]	M10 X 0,5
0-12	M - MULTI								
0-16	B - 0,3 mm								
1-20	M - MULTI	15,2 [.598]	13,9 [.547]	25 [.984]	8,4 [.331]	9,8 [.385]	8,0 [.315]	11,5 [.453]	M12 X 0,5
1-27	B - 0,3mm								

TABLE III - MATERIALS AND PLATINGS

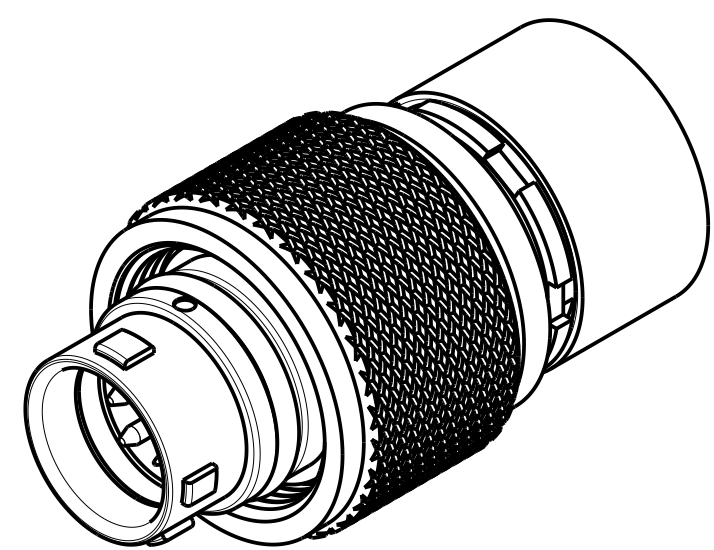
ITEM NUMBER	COMPONENT	MATERIAL	PLATING
1	PLUG BARREL	M- BRASS / RUTHENIUM OVER ELECTROLESS NICKEL (ROH)	
2	COUPLING NUT		
3	BACKSHELL		
4	O-RING	BRASS / ELECTROLESS NICKEL	
5	INSULATOR	FLUROSILICONE	N/A
6	POWER CONTACTS	POLYETHERIMIDE, GF	N/A
7	SIGNAL CONTACTS	COPPER ALLOY	GOLD OVER NICKEL
8 (NOT SHOWN)	INTERNAL SPRING	COPPER ALLOY	GOLD OVER NICKEL
9	CRIMP SLEEVE	STAINLESS STEEL	N/A
		COPPER ALLOY	ELECTROLESS NICKEL

EXPLANATION OF PART NUMBER



PERFORMANCE PROPERTIES

POWER CONTACTS, 0,7mm	AWG 22 CURRENT RATING 5A (SINGLE CONTACT)
SIGNAL CONTACTS, 0,3mm	AWG 28 CURRENT RATING 1A (SINGLE CONTACT)
INSULATION RESISTANCE	100 MΩ MINIMUM
DWV	NO BREAKDOWN AT OR BELOW 1000 VDC
RATED VOLTAGE	250V
OPERATING TEMPERATURE	-51 °C TO +125 °C
WATER TIGHTNESS	20m DEPTH FOR 120 MIN (IPX8) PER MIL-STD-883C METHOD 2009.2, PROCEDURE I TIGHTNESS TO IPX9K PER ISO 20653 2013-02-15
VIBRATION	15g (SINE), 10-2,000HZ, NO DISCONTINUITY> 1μs EIA-364-28F
SHOCK	50g AMPLITUDE, 1/2 SINE PULSE OF 6ms, NO DISCONTINUITY>1μs EIA-364-27C
MECHANICAL DURABILITY	5,000 MATING CYCLES



SCALE 4.000

NOTES: UNLESS OTHERWISE SPECIFIED.

1. ALL DIMENSIONS SHOWN ARE IN METRIC, MM. [INCH] DIMENSIONS ARE FOR REFERENCE ONLY.
2. FOR ADDITIONAL CAVITY LAYOUT INFORMATION, REF CSA-HDX.
3. RECOMMENDED TORQUE FOR BACKSHELL:
(APPLICATION OF THREADLOCKER TO BACKSHELL THREADS IS RECOMMENDED.)
SIZE 0 - 0.5Nm [4.4 in-lbs]
SIZE 1 - 1Nm [8.8 in-lbs]

NOTES CONT'D:

4. RECOMMENDED CRIMP DIE M22520/5-23. (FOR SIZE 0)
RECOMMENDED CRIMP DIE M22520/5-21. (FOR SIZE 1)
HAND CRIMP TOOL M22520/5-01.

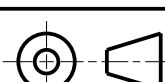
5 CRIMP SLEEVE TO BE SHIPPED LOOSE.

6. CONSULT FACTORY FOR TOOLS AND/OR TERMINATION PROCESS.

RoHS
COMPLIANCE
CODE

NTC - not RoHS compliant
ROC - RoHS not hi-temp
ROH - RoHS & hi-temp (260°C)
NOTE - REFER TO TABLE/NOTES

NOTE

 ITT Cannon LLC 56 Technology Drive, IRVINE, CA 92618					
UNLESS OTHERWISE SPECIFIED: -DEFAULT ANGLE TOLERANCE IS $\pm 1^\circ$ -DEFAULT LENGTH TOLERANCE IS $\pm 0.13 \text{ MM } (0.005) \text{ IN.}$ -REMOVE ALL BURRS AND SHARP EDGES 0.13 (0.005) MAX. -SURFACE FINISH SHALL BE 1.6 μM (63 μIN) RMS MAX.		METRIC		WEIGHT	CRITICAL DIM  0
				DENSITY	SPC DIM  0
				VOLUME	KEY CHARACTERISTIC  0
DRAWN C. HA		DATE 02/18/22		SURFACE AREA	
CHECKED A. ABLOTT		DATE 04/01/22		REF	
APPROVED S. VILLARRUEL		DATE 04/01/22		PART NO VARIOUS	
UNLESS OTHERWISE SPECIFIED: -DIMENSIONS ARE IN MM'S AND (INCHES). -DIMENSIONAL LIMITS APPLY BEFORE PLATING. -DIM'S AND TOL'S ARE PER ASME Y14.5M-1994. -DO NOT SCALE DRAWING.		SCALE 8.000 CAD CODE 71468		DESCRIPTION CONNECTOR, PLUG, ELECTRICAL HDx, INLINE LOCKING BREAKAWAY PIN CONTACTS, MASTER DWG	
3RD ANGLE PROJECTION 		SIZE D C		SHEET 1 / 1	028029Y0103
					REV -

Mouser Electronics

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[ITT Cannon:](#)

[HDX-WC1M0-09XMA](#) [HDX-WC1M0-09XMB](#) [HDX-WC1M0-09XMC](#) [HDX-WC1M0-12XMA](#) [HDX-WC1M0-12XMB](#)
[HDX-WC1M0-12XMC](#) [HDX-WC1M0-16XBA](#) [HDX-WC1M0-16XBB](#) [HDX-WC1M0-16XBC](#)