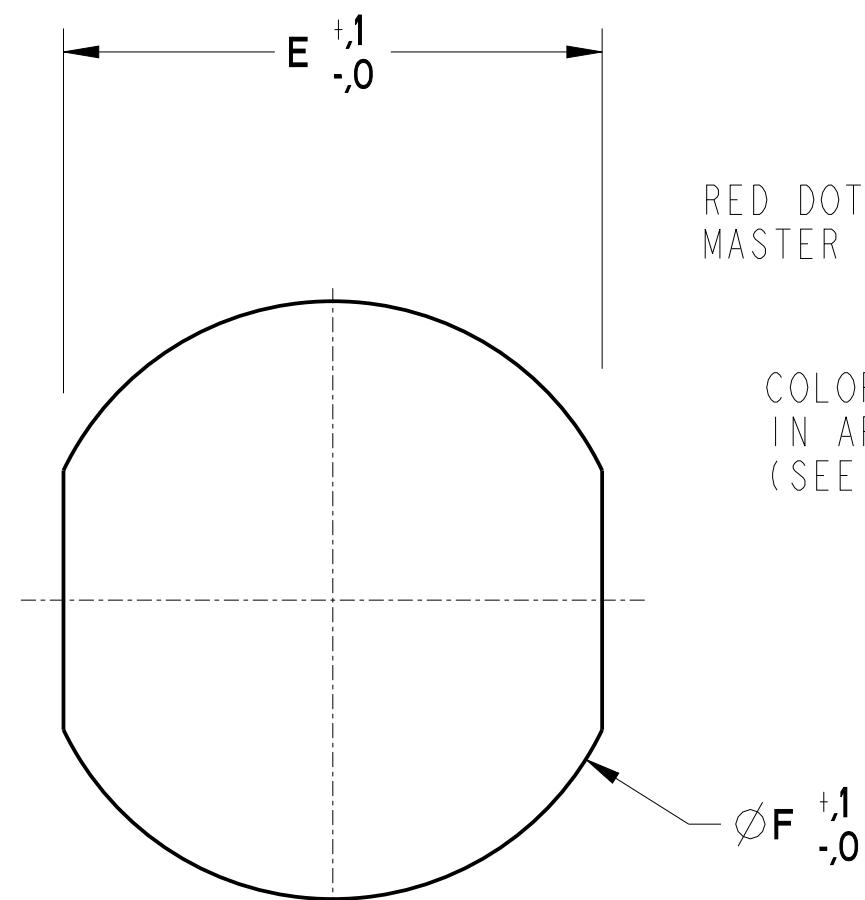
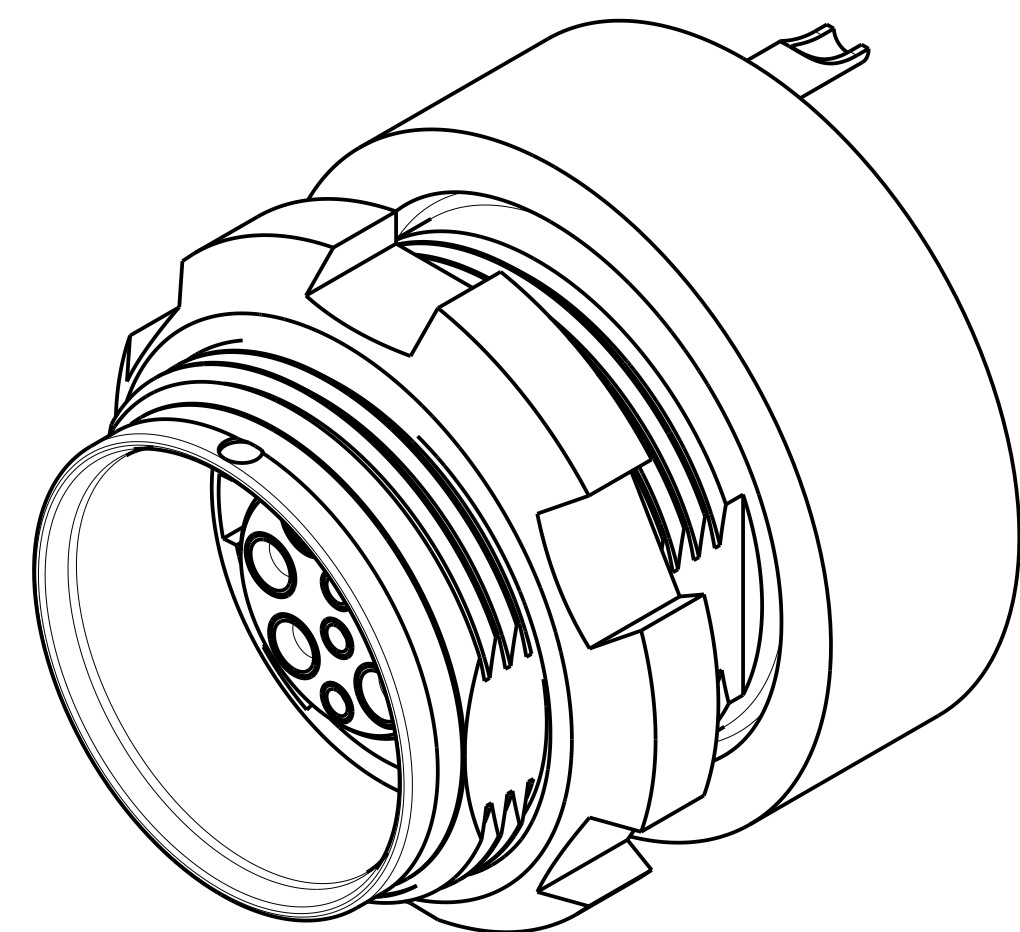
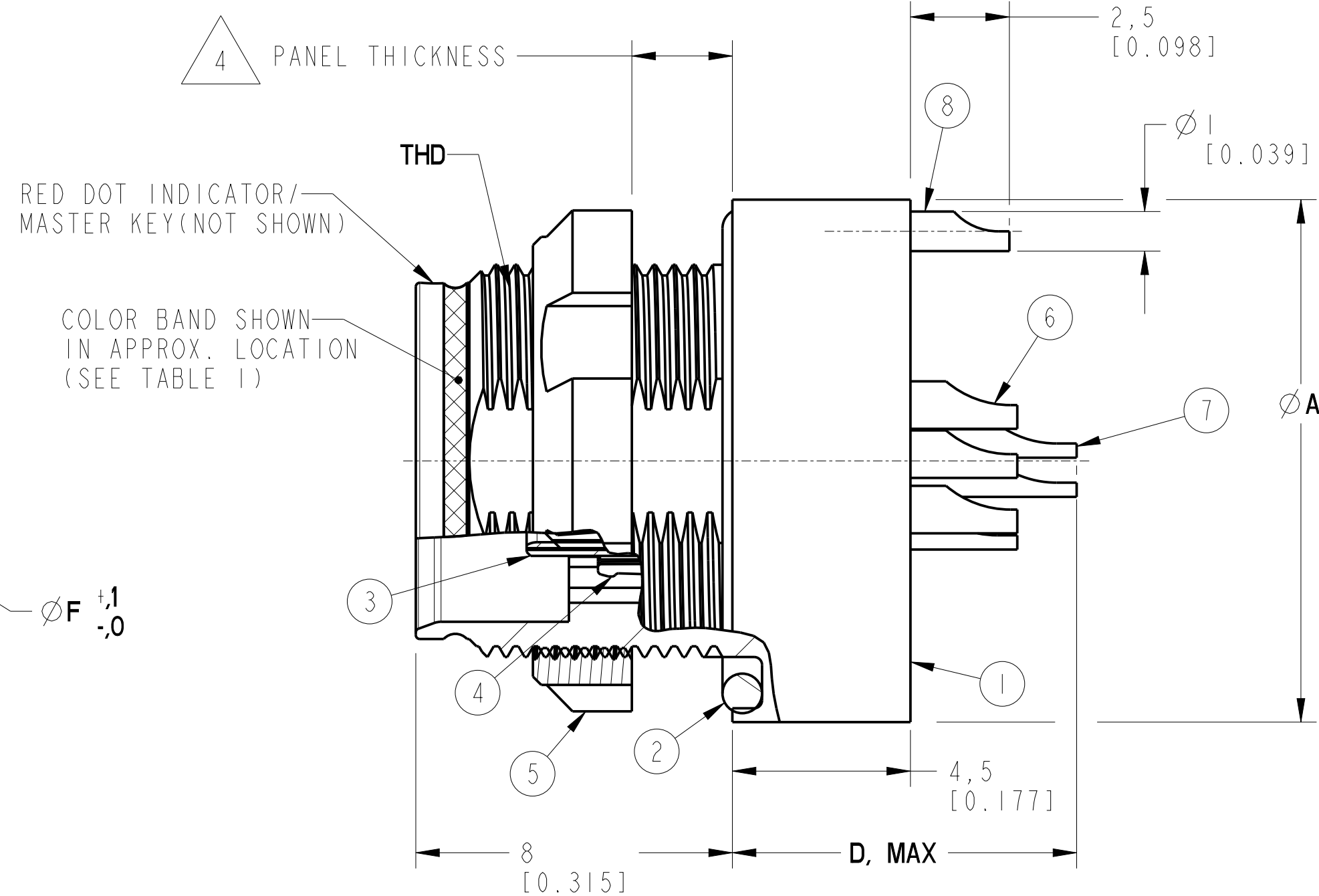

**FRONT VIEW**  
**ARR. 0-09 SHOWN FOR REFERENCE.**

TABLE 1 - CLOCKING ARR.	
CLOCKING	COLOR BAND
A	BROWN
B	RED
C	BLUE
D	GREEN



PANEL CUTOUT



## TABLE II - LAYOUTS & DIMENSIONS

TABLE II - LAYOUTS & DIMENSIONS								
SIZE - LAYOUT	CONTACT DIAMETER	Ø A	Ø B	C	D, MAX	E	Ø F	THD
0-09	M - MULTI	13,2 [ .52 ]	13 [ .512 ]	9 [ .354 ]	8,7 [ .343 ]	9,1 [ .358 ]	10,1 [ .398 ]	M10 X 0,5
0-12	M - MULTI							
0-16	B - 0,3mm							
1-20	M - MULTI	15,3 [ .602 ]	15 [ .591 ]	11,5 [ .453 ]	10,2 [ .402 ]	11,6 [ .457 ]	12,1 [ .476 ]	M12 X 0,5
1-27	B - 0,3mm							

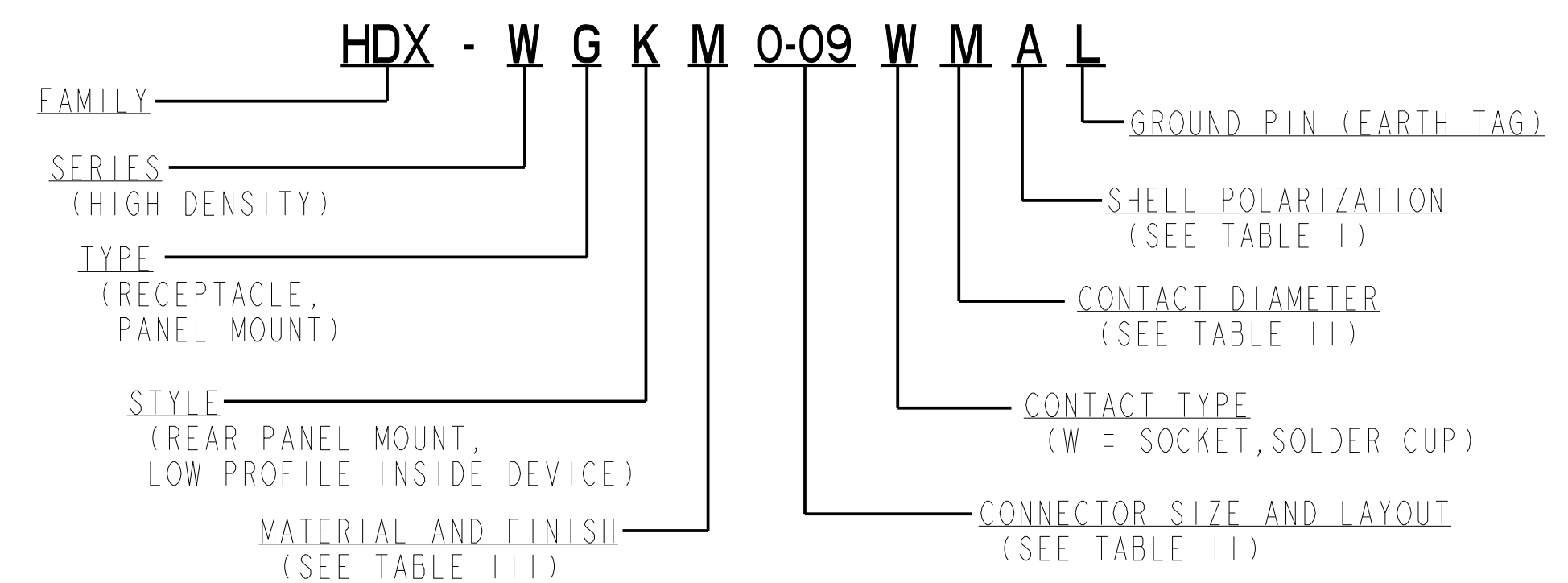
### TABLE III - MATERIALS AND FINISHES

ITEM NUMBER	COMPONENT	MATERIAL	PLATING
1	RECEPTACLE SHELL	M - BRASS/ RUTHENIUM OVER (ROH)	ELECTROLESS NICKEL
2	FLANGE O-RING		N/A
3	INSULATOR	POLYETHERIMIDE, GF	N/A
4	INTERNAL SPRING	BE CU.	GOLD OVER NICKEL
5	PANEL NUT	ALUM. ALLOY	HARD BLACK ANODIZE
6	POWER CONTACTS	COPPER ALLOY	GOLD OVER NICKEL
7	SIGNAL CONTACTS	COPPER ALLOY	GOLD OVER NICKEL
8	GROUND PIN	COPPER ALLOY	GOLD OVER NICKEL
9 (NOT SHOWN)	POTTING MATER'L	THERMOSET EPOXY	NA

## PERFORMANCE PROPERTIES

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 M $\Omega$ 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 512.5, PROCEDURE I
	TIGHTNESS TO IPX9K PER ISO 20653 2013-02-15
VIBRATION	15g (SINE), 10-2,000HZ, NO DISCONTINUITY>1 $\mu$ s EIA-364-28F
SHOCK	50g AMPLITUDE, 1/2 SINE PULSE OF 6ms, NO DISCONTINUITY>1 $\mu$ s EIA-364-27C
MECHANICAL DURABILITY	5,000 MATING CYCLES

### EXPLANATION OF PART NUMBER



NOTES: UNLESS OTHERWISE SPECIFIED.

1. DIMENSION UNITS: MM [INCH]. INCHES ARE FOR REFERENCE ONLY.

2 FOR ADDITIONAL CAVITY LAYOUT INFORMATION, REF CSA-HDX.





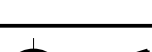
3. RECOMMENDED PANEL TORQUE IS INm [8.8 in-lbs].

4mm MAX WHEN MATED TO HDX-BREAKAWAY SERIES PLUGS.  
1,65mm MAX WHEN MATED TO HDX-LOCKING SERIES PLUGS.

5. FOR SPANNER TOOLING SEE DRAWING 317-2187-050.

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

## NOTE

 <h1>ITT Cannon LLC</h1> <p>56 Technology Drive, IRVINE, CA 92618</p>			
UNLESS OTHERWISE SPECIFIED: -DEFAULT ANGLE TOLERANCE IS $\pm 1^\circ$ -DEFAULT LENGTH TOLERANCE IS $\pm 0.13 \text{ mm} (1.005) \text{ IN.}$ -REMOVE ALL BURRS AND SHARP EDGES 0.13 (1.005) MAX. -SURFACE FINISH SHALL BE 1.6 $\mu\text{m}$ (63 $\mu\text{in}$ ) RMS MAX.		METRIC	
		WEIGHT	
		CRITICAL DIM  0	
		DENSITY	
		SPC DIM  0	
		VOLUME	
		NEXT CHARACTERISTIC  0	
DRAWN C. HA		DATE 02/18/22	
CHECKED A. ABLOTT		DATE 04/01/22	
APPROVED S. VILLARRUEL		PART NO VARIOUS	
UNLESS OTHERWISE SPECIFIED: METRIC -DIMENSIONS ARE IN MM & [INCHES]. -DIMENSIONAL LIMITS APPLY BEFORE PLATING. -DIM'S AND TOL'S ARE PER ASME Y14.5M-1994. -DO NOT SCALE DRAWING.		SCALE 8.000	
		DESCRIPTION: CONNECTOR, RECEPTACLE, ELECTRICAL HDX, J/N, REAR MNT SOCKET, SOLDER CUP, MSTR DWG	
3RD ANGLE PROJECTION 		SHEET 1 / 1	
SIZE C		028030Y0103	
		REV -	

DWG FILE NAME: 028030Y0103\_CU