

050-3994-XYZ (PER TABLE 1)

MATERIAL AND FINISH:

BODY: PASSIVATED STAINLESS 303 PER TSM 50-370 PARA 6

CONTACT: BERYLLIUM COPPER PER TSM 50-370 PARA. 3.

GOLD PLATED W/ NICKEL SUB PLATE PER TSM 50-370 PARA. 5

DIELECTRIC: PTFE PER TSM 50-370 PARAGRAPH 7

OPERATING SPECIFICATIONS:

FREQUENCY RANGE: 0 TO 40

INTERFACE: SMPM PER MIL-C-348B FIG. 328-2 AND -3,
MATES AND WORKS WITH CORNING GPPO

IMPEDANCE: 50 OHMS NOMINAL

VSWR, TYP:

1.30 TO 26.5 GHZ

1.40 TO 40 GHZ

DWV AT STP: 325 VOLTS RMS NOMINAL

OPERATING TEMPERATURE RANGE: -55 TO +125 C

TABLE 1

TSM PART NUMBER	DETENT (X)	PACKAGING (Y)	SOLDER TYPE (Z)
050-3994-001	FD	BAG	N/A
050-3994-002	FD	BAG	SN63, per Note 2
050-3994-011	FD	TAPE & REEL	N/A
050-3994-012	FD	TAPE & REEL	SN63, per Note 2
050-3994-101	SB	BAG	N/A
050-3994-102	SB	BAG	SN63, per Note 2
050-3994-111	SB	TAPE & REEL	N/A
050-3994-112	SB	TAPE & REEL	SN63, per Note 2

NOTE:

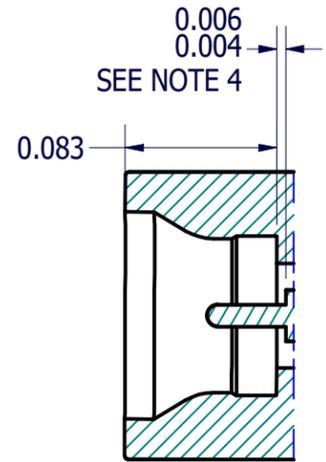
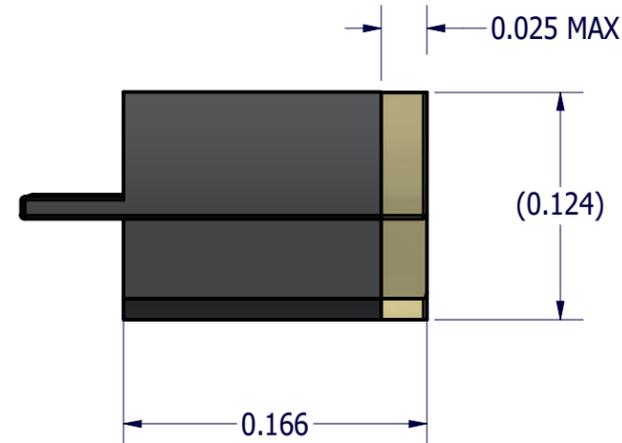
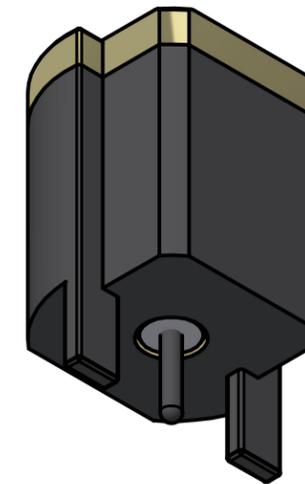
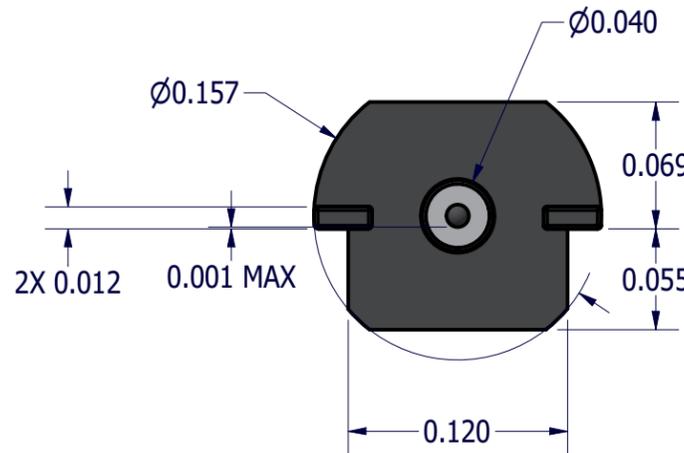
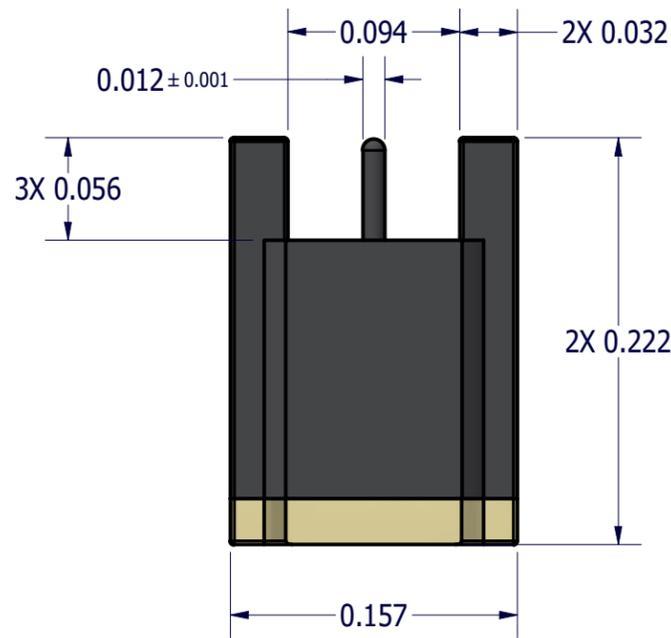
1) ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.

2) AREAS IN GRAY - SOLDER COATED AS SHOWN WITH SOLDER ALLOY SN63PB37A PER J-STD-006 AND J-STD-001. SOLDER ALLOY BUILDUP .003 MAX WALL THICKNESS FROM DIMENSIONS SHOWN.

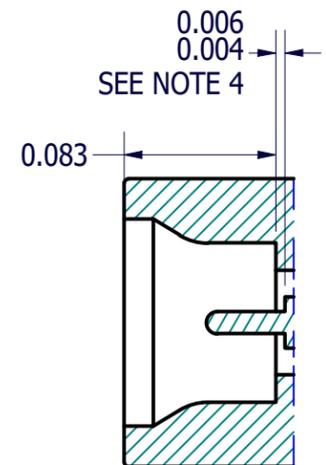
3) ALL DIMENSIONS LISTED APPLY BEFORE SOLDER COATING, IF APPLICABLE.

4) THE CONTACT SHOULDER IS RECESSED .0040/.0060 BEFORE SOLDERING THE CONNECTOR TO THE PC BOARD, AND MAY BE CLOSER TO THE REFERENCE PLANE AFTER SOLDERING THE CONNECTOR TO THE PC BOARD. THIS CHANGE IS CAUSED BY THERMAL EXPANSION DURING THE SOLDERING OPERATION

5) TSM 50-370 STANDARD REQUIREMENTS APPLY



PART NUMBER: 050-3994-001
SMPM PIN CONTACT
FULL DETENT
PER MIL-C-348B FIGURE 328-2



PART NUMBER: 050-3994-101
SMPM PIN CONTACT
SMOOTH BORE
PER MIL-C-348 FIGURE 328-3

REVISION HISTORY					
REV	DATE	ORIGINATOR	APPROVED	DCRN	CAD
A	08/31/2023	J.PAYNTER	R Duckworth	2308123	JDP
B	10/30/2023	J.PAYNTER	R Duckworth	2310110	JDP
C	01/15/2025	J. SALIBA	R Duckworth	2501043	JGS
D	02/17/2026	J. SALIBA	R Duckworth	2602063	JGS

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UNLESS OTHERWISE SPECIFIED: DIM .XX ± 0.010" DIM .XXX ± 0.005" DIM .XXXX ± 0.0005" ANGLES ± 1° ALL DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS, BREAK CORNERS & SHARP EDGES .003" MAX. PART OR ASSY WEIGHT:	ENGINEER: J.PAYNTER	PROJECT No:	<p>10221 WERCH DRIVE Woodridge, IL 60517 www.teledynestorm.com</p>
SEE MATERIAL AND FINISH NOTES	MATERIAL:	TITLE: SMPM SP PCB EDGE MOUNT CONNECTOR	
SEE MATERIAL AND FINISH NOTES	FINISH:	DRAWING SIZE: B SCALE: 10 : 1 SHEET 1 of 1	REVISION LEVEL: D
DRAWING NUMBER: OL-050-3994			