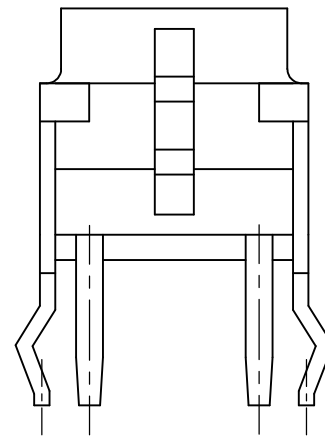
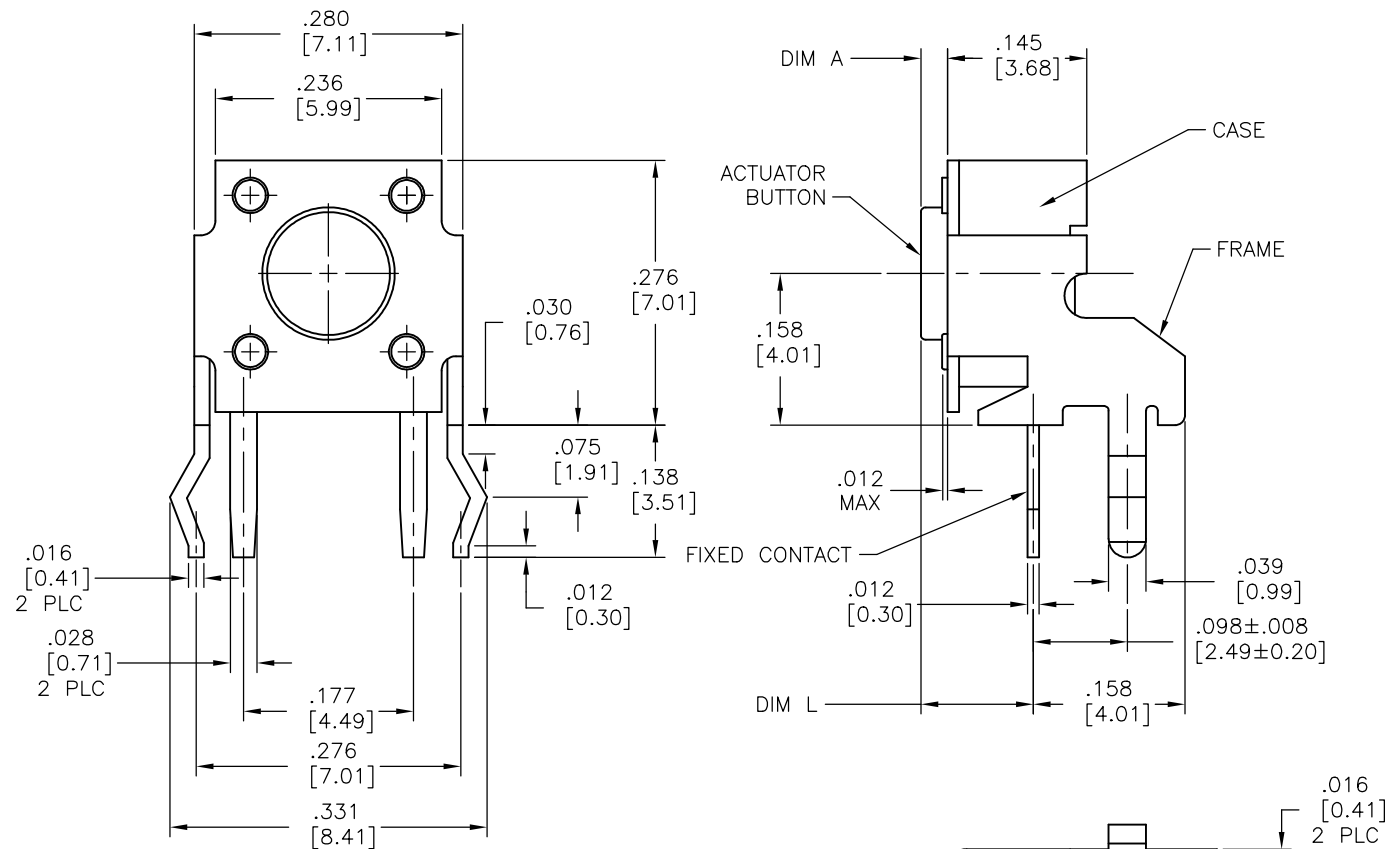


REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
	J2	REVISED PER ECR-25-253017	31JUL2025	LP	MY



SPECIFICATIONS:

CASE: NYLON 6/6, BLACK
FRAME/BACKET: STEEL, TIN OVER NICKEL
ACTUATOR BUTTON: PBT OR NYLON 6/6 (SEE TABLE), UL94HB, COLOR SEE TABLE
MOVING CONTACT: COPPER ALLOY, SILVER PLATE
FIXED CONTACT/TERMINALS: COPPER ALLOY, SILVER OVER NICKEL PLATE

ELECTRICAL:
MAX CONTACT RATING: 50MILLIAMPS@24V DC
MIN CONTACT RATING: 10MICROAMPS@1V DC
INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX
INSULATION RESISTANCE: 100 MEGOHMS @ 100 VDC MIN.
DIELECTRIC STRENGTH: 500 VAC 50/60 Hz FOR 1 MINUTE
LIFE EXPECTANCY: 100,000 CYCLES

MECHANICAL:
ACTUATION FORCE: SEE TABLE
ACTUATION TRAVEL: $.010^{+.008}_{-.004} [.25^{+.0.2}_{-.0.1}]$

ENVIRONMENTAL:
OPERATING TEMPERATURE: -40°C TO 105°C.
STORAGE TEMPERATURE: -40°C TO 100°C
SOLDER HEAT RESISTANCE PER 109-202, CONDITION B
SOLDERABILITY PER EIA-364-52 CLASS II, CATEGORY 1

1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EH DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS)

2 NEW PART WITH NEW MATERIAL AND SPECS ADDED REFER SHEET 2 FOR DETAILS SPECIFICATIONS.

 REFER SHEET 2

R SHEET 2	PPA	BLACK	160 +/-50 GF	.467 (11.85)	.364 (9.24)	FSMRA7JH	2-1825027-6
	NYLON 6/6	RED	260 +/-50 GF	.624 (15.85)	.522 (13.25)	FSMRA8JHA	2-1825027-4
	NYLON 6/6	BLACK	160 +/-50 GF	.624 (15.85)	.522 (13.25)	FSMRA8JH	2-1825027-3
OBSOLETE	NYLON 6/6	BROWN	100 +/-30 GF	.624 (15.85)	.522 (13.25)	FSMRA8JHL	2-1825027-2
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	.467 (11.85)	.364 (9.24)	FSMRA7JHA	2-1825027-5
	NYLON 6/6	BLACK	160 +/-50 GF	.467 (11.85)	.364 (9.24)	FSMRA7JH	2-1825027-0
OBSOLETE	NYLON 6/6	BROWN	100 +/-30 GF	.467 (11.85)	.364 (9.24)	FSMRA7JHL	1-1825027-9
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	.270 (6.85)	.167 (4.24)	FSMRA6JHA	1-1825027-8
	NYLON 6/6	WHITE	160 +/-50 GF	.270 (6.85)	.167 (4.24)	FSMRA6JH	1-1825027-7
OBSOLETE	NYLON 6/6	BROWN	100 +/-30 GF	.270 (6.85)	.167 (4.24)	FSMRA6JHL	1-1825027-6
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	.242 (6.15)	.140 (3.55)	FSMRA5JHA	1-1825027-5
	NYLON 6/6	IVORY	160 +/-50 GF	.242 (6.15)	.140 (3.55)	FSMRA5JH	1-1825027-4
OBSOLETE	NYLON 6/6	BROWN	100 +/-30 GF	.242 (6.15)	.140 (3.55)	FSMRA5JHL	1-1825027-3
	PBT	RED	260 +/-50 GF	.329 (8.35)	.226 (5.74)	FSMRA4JHA	1-1825027-2
	PBT	BLACK	160 +/-50 GF	.329 (8.35)	.226 (5.74)	FSMRA4JH	1-1825027-1
OBSOLETE	PBT	BROWN	100 +/-30 GF	.329 (8.35)	.226 (5.74)	FSMRA4JHL	1-1825027-0
OBSOLETE	NYLON 6/6	RED	260 +/-50 GF	.230 (5.85)	.128 (3.25)	FSMRA3JHA	1825027-9
	NYLON 6/6	BLUE	160 +/-50 GF	.230 (5.85)	.128 (3.25)	FSMRA3JH	1825027-8
OBSOLETE	NYLON 6/6	BROWN	100 +/-30 GF	.230 (5.85)	.128 (3.25)	FSMRA3JHL	1825027-7
	PBT	RED	260 +/-50 GF	.152 (3.86)	.049 (1.24)	FSMRA2JHA	1825027-6
	PBT	BLACK	160 +/-50 GF	.152 (3.86)	.049 (1.24)	FSMRA2JH	1825027-5
	PBT	BROWN	100 +/-30 GF	.152 (3.86)	.049 (1.24)	FSMRA2JHL	1825027-4
	PBT	RED	260 +/-50 GF	.124 (3.15)	.022 (0.56)	FSMRA1JHA	1825027-3
	PBT	NATURAL	160 +/-50 GF	.124 (3.15)	.022 (0.56)	FSMRA1JH	1825027-2
	PBT	DARK GREY	100 +/-30 GF	.124 (3.15)	.022 (0.56)	FSMRA1JHL	1825027-1
	ACTUATOR MAT'L	ACTUATOR COLOR	ACTIONATION FORCE	DIM L	DIM A	ALCO P/N	PART NO

RECOMMENDED HOLE LAYOUT
TOLERANCE $\pm .002$ UNLESS
OTHERWISE NOTED

()—INDICATES MOMENTARY POSITION		
CIRCUIT CHARACTERISTICS		
CONTACT	POSITION	CIRCUIT DIAGRAM
		
OFF	(ON) 1-2	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. M.BINNER 260C0T4 CHK. M. SARVER 260C0T4		 ETE Connectivity	
DIMENSIONS: INCHES [mm]		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0. PLC ± — 1. PLC ± — 2. PLC ± — 3. PLC ± .012[0.30] 4. PLC ± — ANGLES ± — FINISH —			
		SIZE A1		CAGE CODE 00779	
MATERIAL 		DRAWING NO C=1825027		RESTRICTED TO —	
CUSTOMER DRAWING		SCALE 10:1		SHEET 1 of 2	
				REV. J	

D

C

B

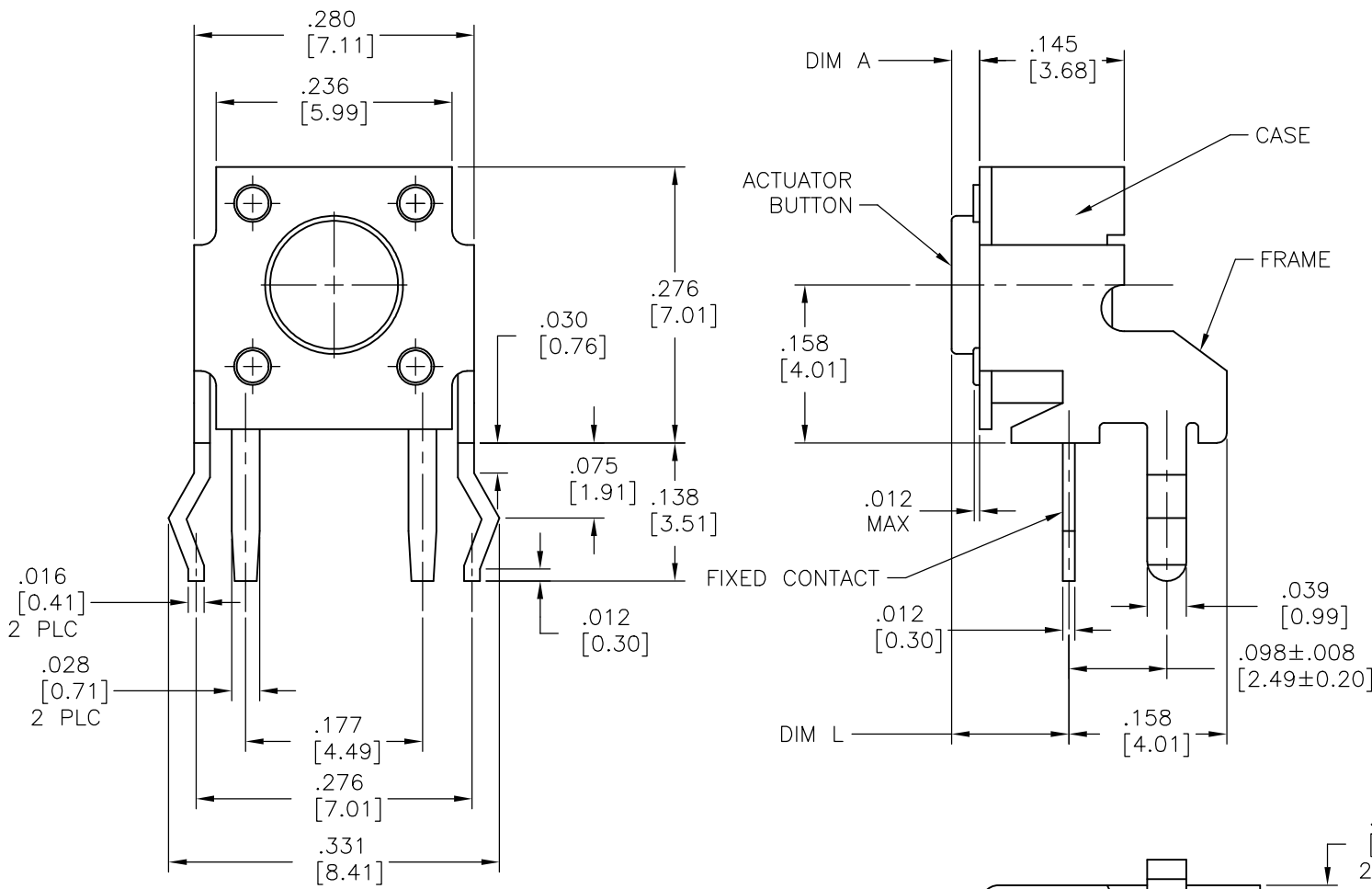
A

D

C

B

A



SPECIFICATIONS:

CASE : PPS, BROWN (UL 94 V-0)
ACTUATOR : PPA, BLACK (UL 94 V-0)
TERMINAL : BRASS, Ni + Ag PLATING
DOME CONTACT : PHOSPHOR BRONZE, Ag CLAD
BRACKET : SPCC, Sn + Ni PLATING

ELECTRICAL:

MAX CONTACT RATING: 50MILLIAMPS@24V DC
MIN CONTACT RATING: 10MICROAMPS@1V DC
INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX
INSULATION RESISTANCE: 100 MEGOHMS @ 100 VDC MIN.
DIELECTRIC STRENGTH: 500 VAC 50/60 Hz FOR 1 MINUTE
LIFE EXPECTANCY: 100,000 CYCLES

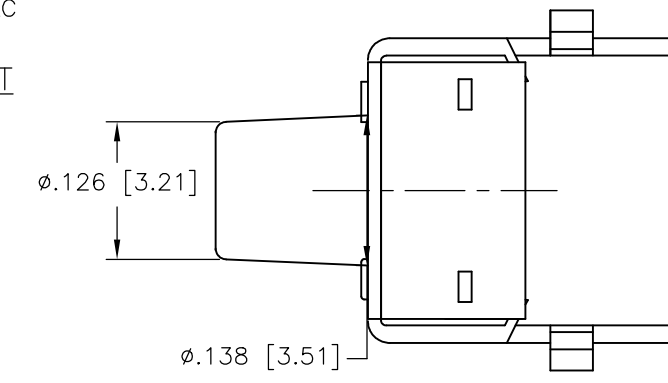
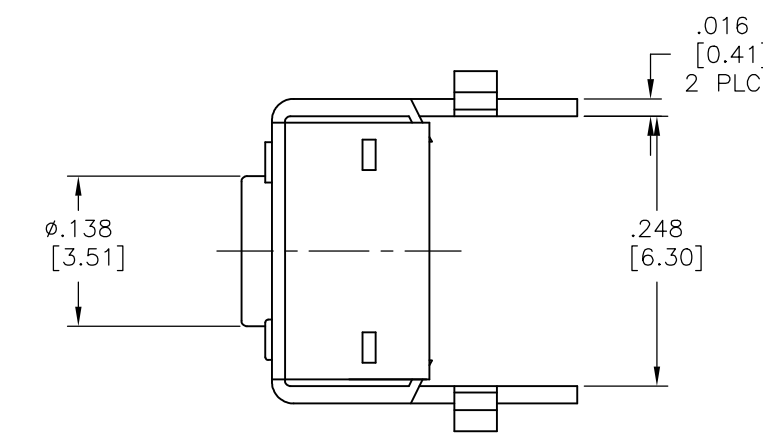
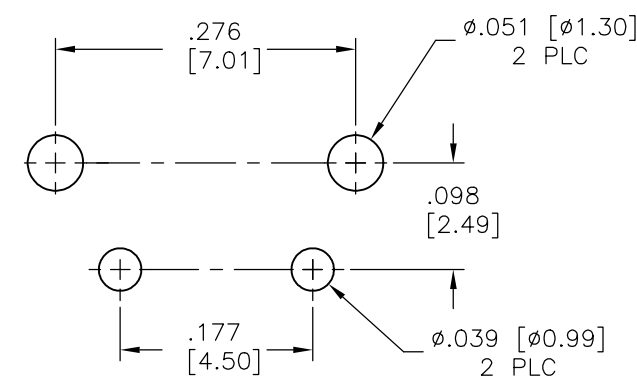
MECHANICAL:

ACTUATION FORCE: SEE TABLE
ACTUATION TRAVEL: .010^{+0.008}_{-.004}[0.25^{+0.2}_{-0.1}]

ENVIRONMENTAL:

OPERATING TEMPERATURE: -40°C TO 105°C.
STORAGE TEMPERATURE: -40°C TO 100°C
SOLDER HEAT RESISTANCE PER 109-202, CONDITION B
SOLDERABILITY PER EIA-364-52 CLASS II, CATEGORY 1

1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EH DIRECTIVE 2002/95/EC OF 27 JAN 2003 (ROHS)



FSMRA5J

2-1825027-6

PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± .005
1 PLC	± .005
2 PLC	± .005
3 PLC	± .012 [0.30]
4 PLC	± .005
ANGLES	± .005
FINISH	-

DWN: M. BINNER 26OCT04
CHK: M. SARVER 26OCT04
APP'D: M. SARVER 26OCT04

PRODUCT SPEC: -
APPLICATION SPEC: -
WEIGHT: -

CUSTOMER DRAWING

SCALE: 10:1

SHEET: 2 OF 2

REV: J2

TE Connectivity

MICRO-MINIATURE PUSHBUTTON SWITCH

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 1825027

RESTRICTED TO: -