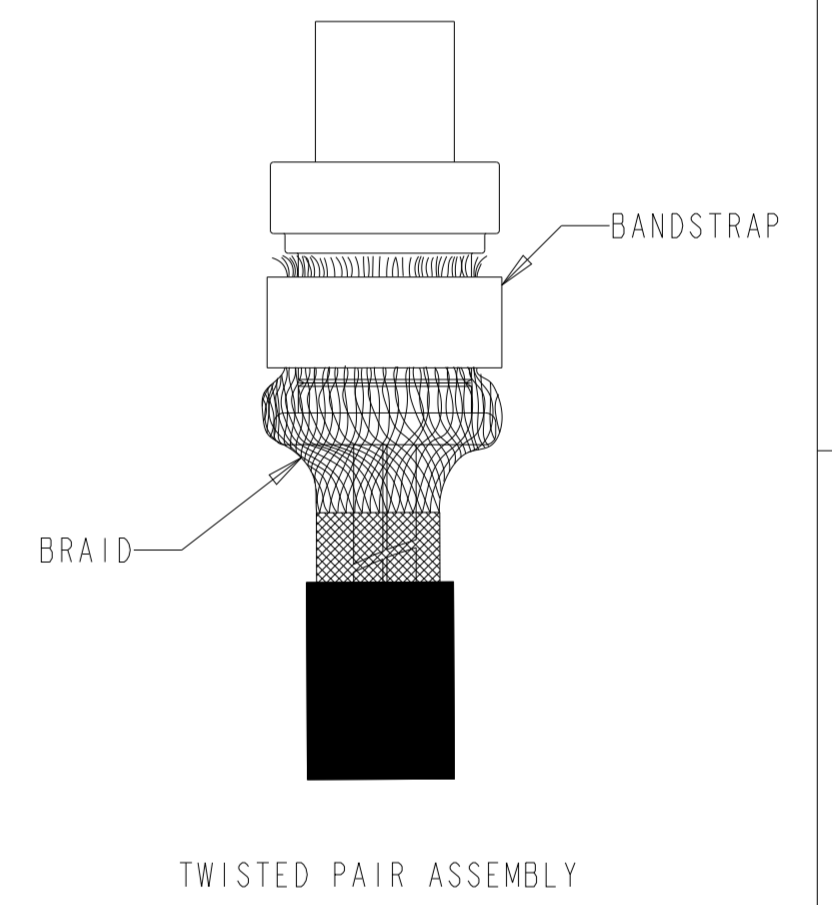
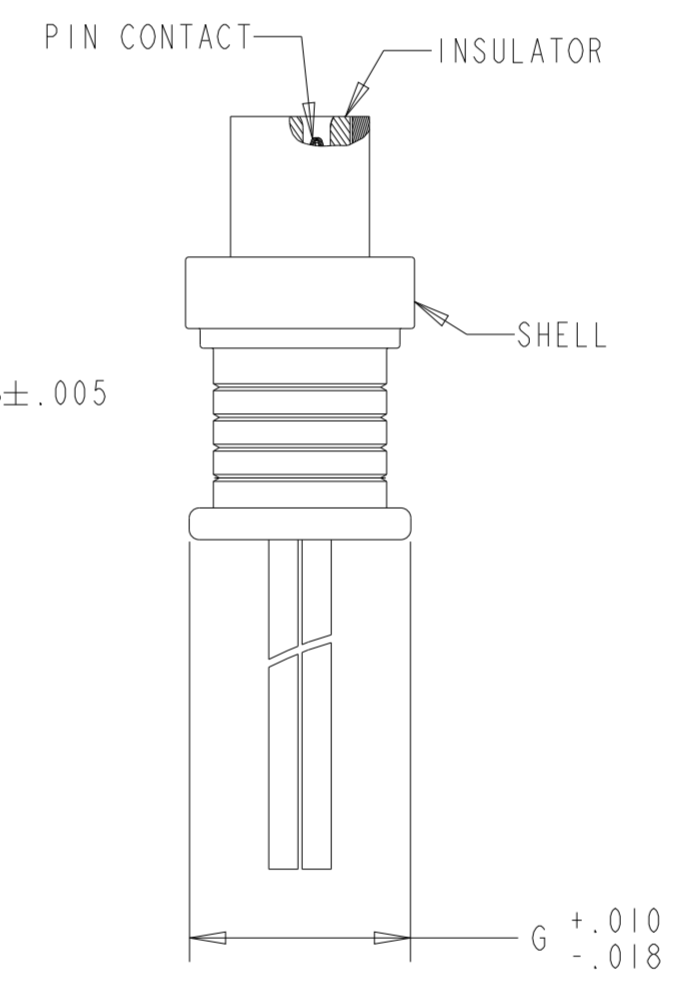
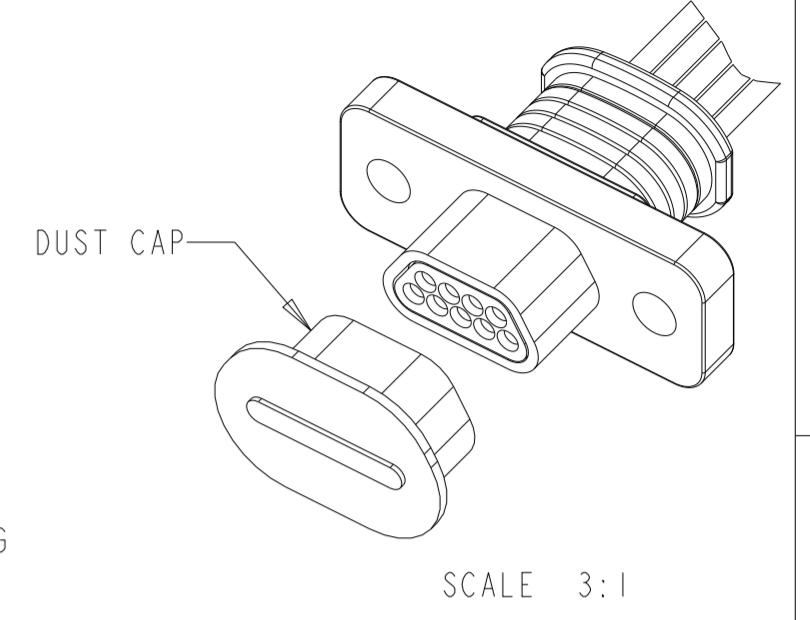
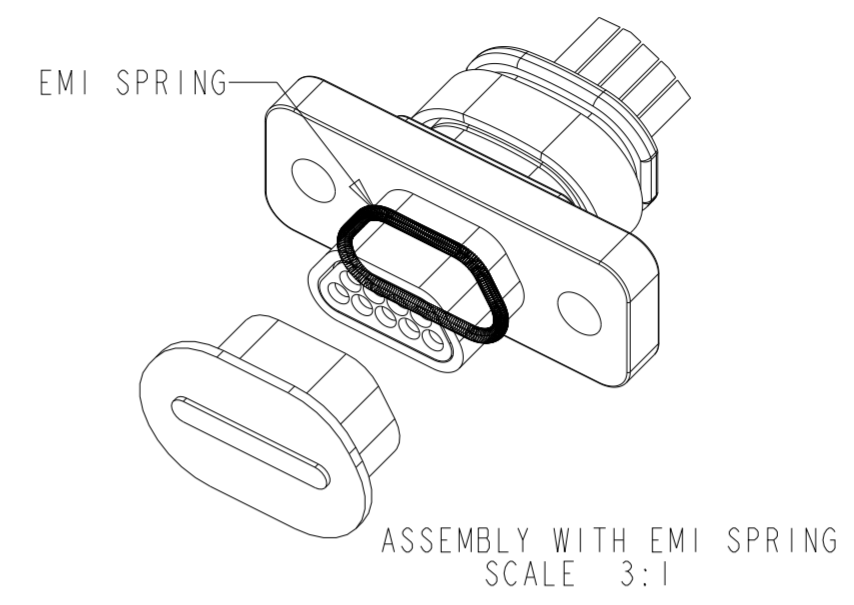
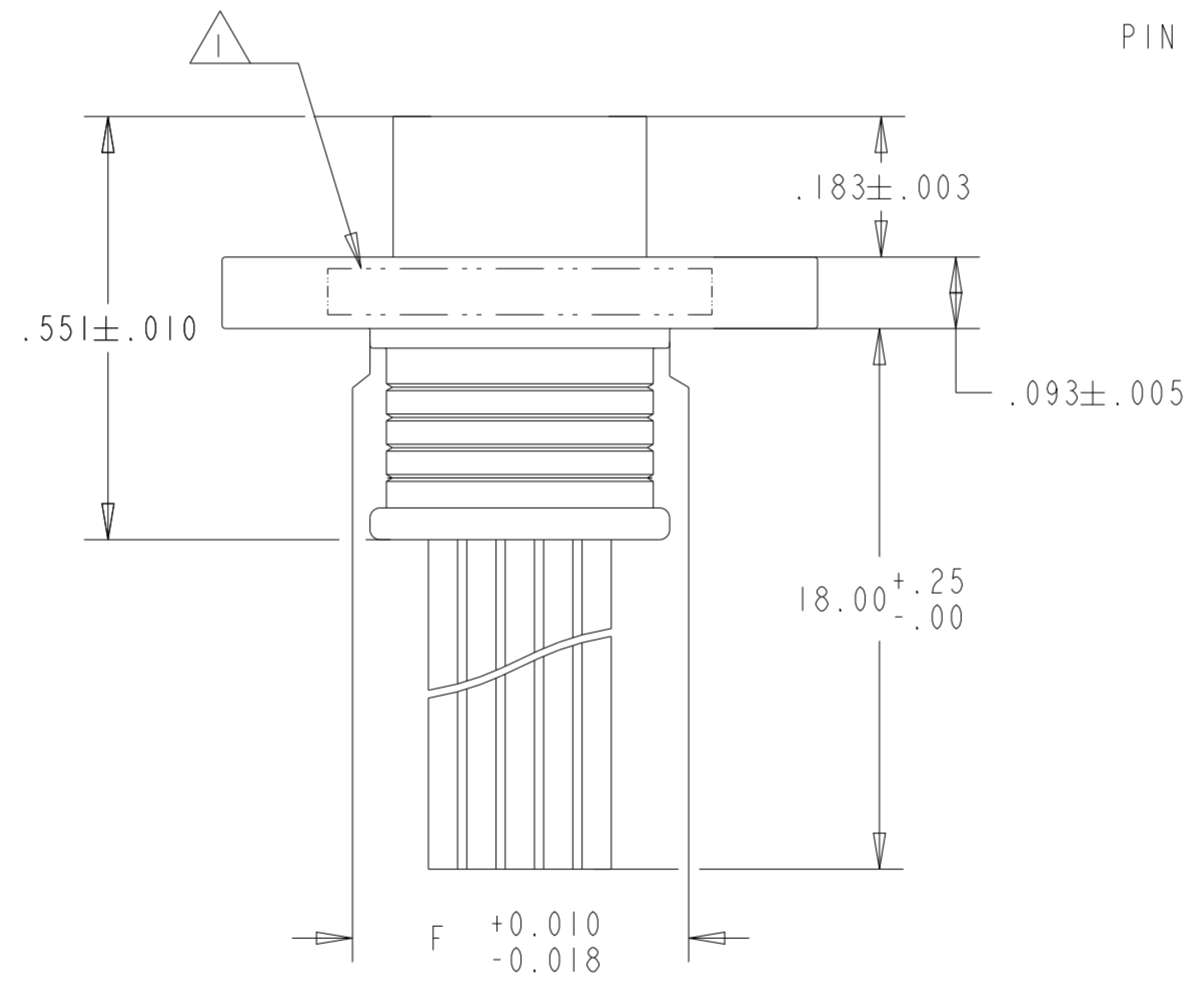
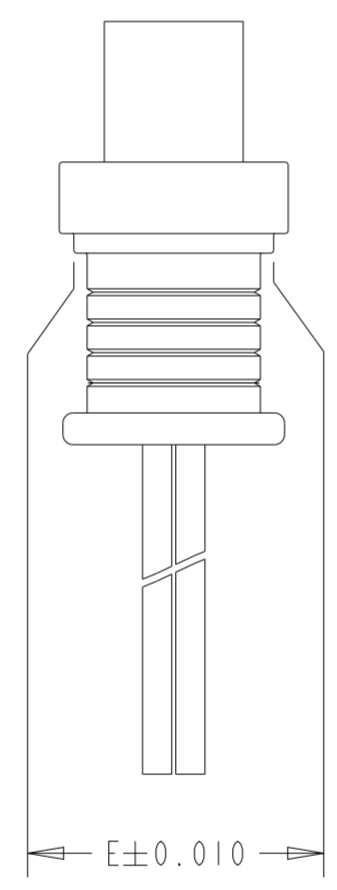
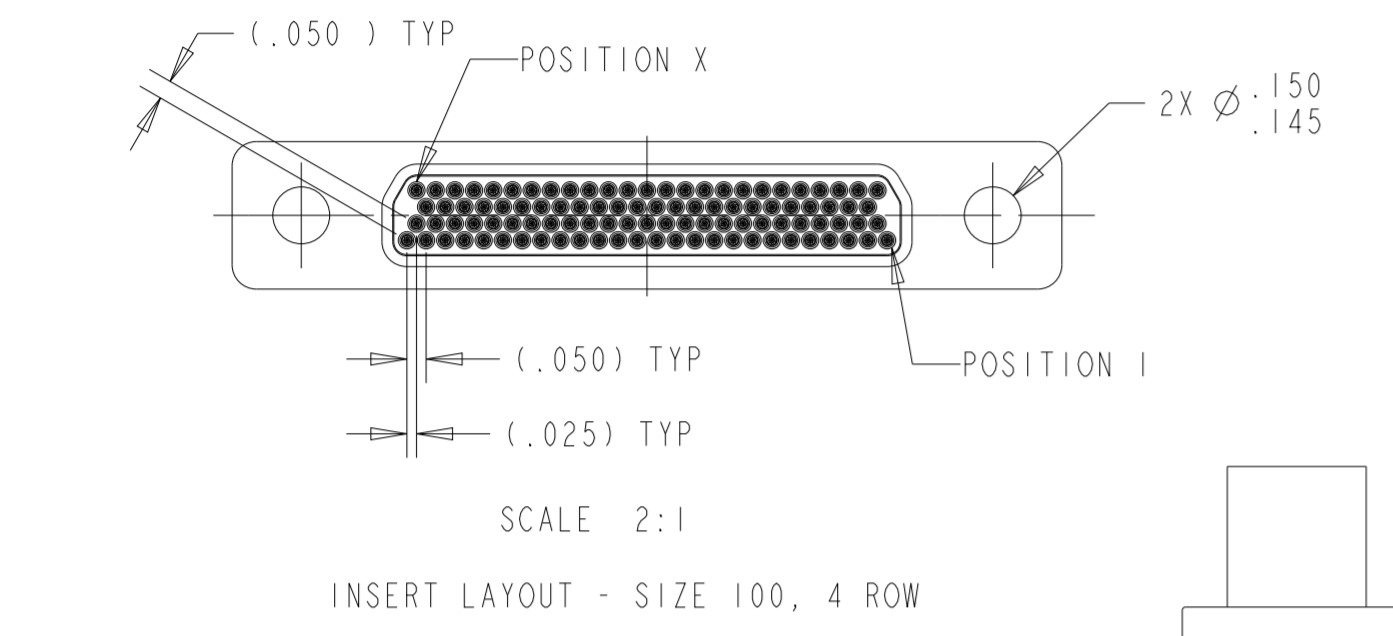
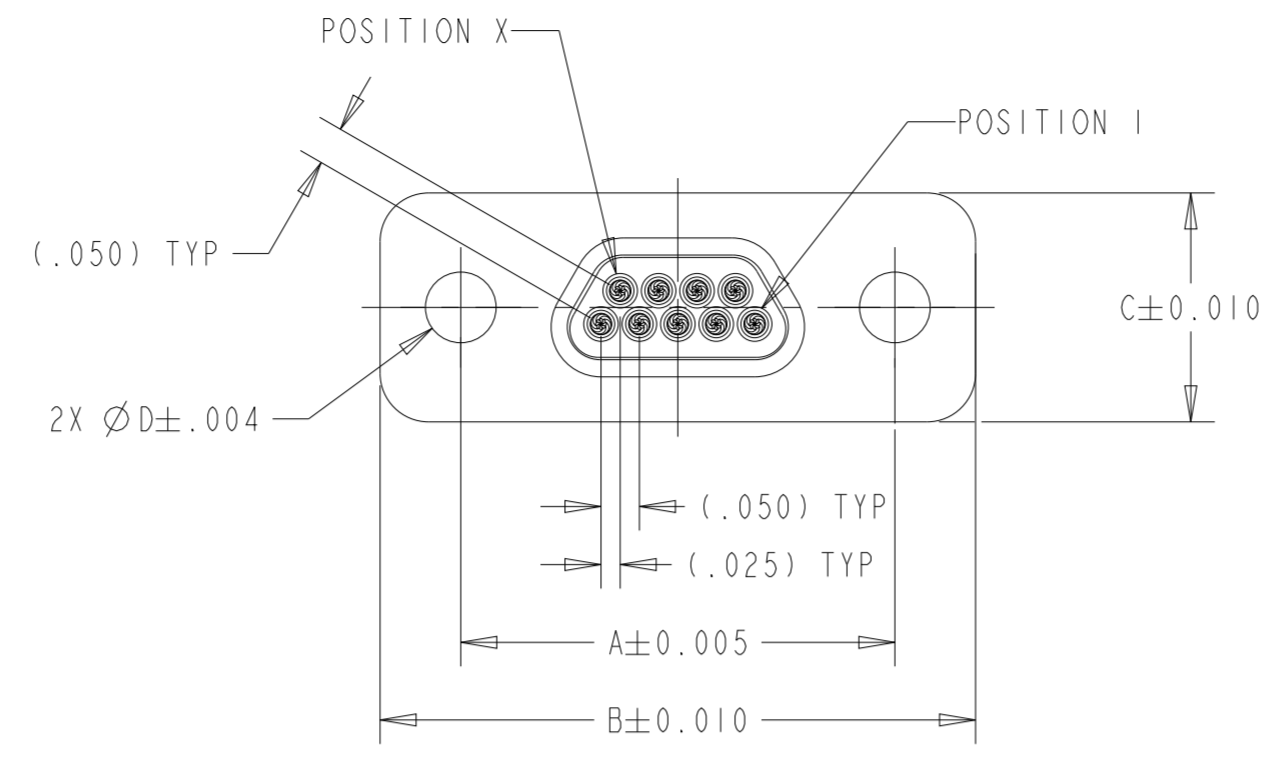
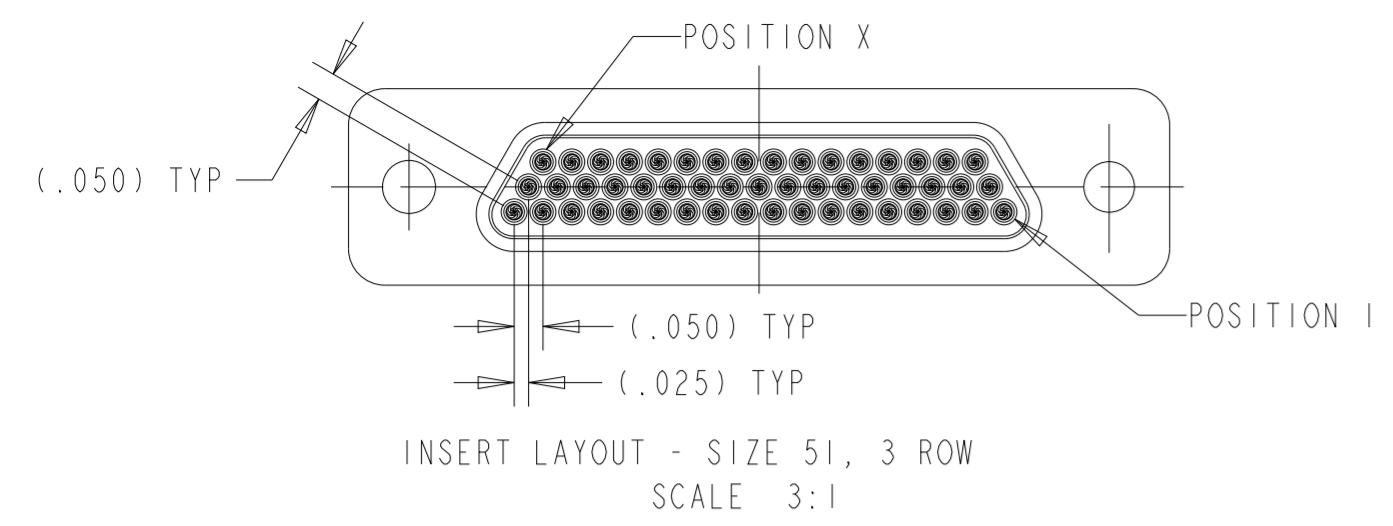


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
3		ECN-21-117941	15SEP2021	LS	SKM
4		ECN-21-121866	13OCT2021	LS	SKM
5		ECN-23-196162	12NOV2021	LS	SKM
A		ECN-23-216854	13JUN2023	LS	NH



1 INMARK TEPN AND DATE CODE YYWW ON CONNECTOR SHELL

2 SPECIFICATION:

- a. ELECTRICAL:
  - CONTACT RESISTANCE :25 millivolt MAX. AT 3 AMPS
  - INSULATION RESISTANCE :5000 megohms MIN. @ 500 VDC AT AMBIENT ROOM TEMPERATURE
  - CURRENT RATING :3 AMP MAX. PER CONTACT
- b. MECHANICAL:
  - CONTACT ENGAGING FORCE :2.22 N MAX. PER CONTACT
  - CONTACT SEPERATION FORCE :1.67 N TYP. PER CONTACT
- c. ENVIRONMENTAL:
  - OPERATING TEMPERATURE :-55° C TO +125° C
  - VIBRATION CHARACTERISTICS :PER MIL-83513 SECTION 3.5.12 AND 4.5.14

3 MATERIAL:  
SHELL : ALUMINIUM ALLOY 6061 T6 GRADE.  
CONTACT : COPPER ALLOY  
INSULATION : PPS

4 FINISH:  
CONTACTS :GOLD PLATED PER MIL-G-45204, TYPE II, CLASS I

- 5. EMI SPRING TO BE ASSEMBLED AT THE FIELD.
- 6. EMI VARIANT IS UNQUALIFIED.

PART DESCRIPTION	WEIGHT (g)	NUMBER OF ROWS	X	A	B	C	D	E	F	G
BMCK-NI-B-9P6GI-K	13	2	9	.565	.775	.298	.092	.260	.390	.29
BMCK-NI-B-15P6GI-K	21	2	15	.715	.925	.298	.092	.260	.540	.29
BMCK-NI-B-21P6GI-K	29	2	21	.865	1.075	.298	.092	.260	.690	.29
BMCK-NI-B-25P6GI-K	34	2	25	.965	1.175	.298	.092	.260	.790	.30
BMCK-NI-B-31P6GI-K	42	2	31	1.115	1.325	.298	.092	.260	.940	.30
BMCK-NI-B-37P6GI-K	50	2	37	1.265	1.475	.298	.092	.260	1.090	.29
BMCK-NI-B-51P6GI-K	68	3	51	1.215	1.425	.341	.092	.303	1.040	.33
BMCK-NI-B-100P6GI-K	132.5	4	100	1.800	2.160	.384	.148	.350	1.430	.37

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN LAKSHMI SIVAN 08APR2021  
CHK N S SUDHAKAR 08APR2021  
APVD SURESH KUMAR M 08APR2021

**STE** TE Connectivity

NAME: PLUG ASSY MICRODOT INTEGRATED BACKSHELL

PRODUCT SPEC: 108-116083  
APPLICATION SPEC: 114-116083

SIZE: A2 CAGE CODE: 00779 DRAWING NO: C-2390908 RESTRICTED TO: -

MATERIAL: 3 FINISH: 4

WEIGHT: 7

CUSTOMER DRAWING SCALE: 5:1 SHEET: 1 OF 3 REV: A

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

BMCK - NI - B - 9 - P - 6 - A - I - K - X

CONNECTOR SERIES

BMCK  
(WITH INTEGRATED BACK SHELL)

SHELL FINISH

NI - NICKEL, ELECTROLESS  
C2 - CADMIUM, YELLOW CHROMATE

HARDWARE

B - NO HARDWARE  
 KM - JACKSCREW, SLOTTED HEAD, HIGH PROFILE (9-51)  
 HM - JACKSCREW, SLOTTED HEAD, HIGH PROFILE (100)  
 LM - JACKSCREW, SLOTTED HEAD, LOW PROFILE (9-51)  
 JM - JACKSCREW, SLOTTED HEAD, LOW PROFILE (100)  
 QM - JACKSCREW, ALLEN HEAD, HIGH PROFILE (9-51)  
 TM - JACKSCREW, ALLEN HEAD, HIGH PROFILE (100)  
 RM - JACKSCREW, ALLEN HEAD, LOW PROFILE (9-51)  
 NM - JACKSCREW, ALLEN HEAD, LOW PROFILE (100)  
 P - JACKPOST ASSEMBLY

LAYOUT

9, 15, 21, 25, 31, 37, 51, 100 POSITION

CONTACT TYPE

P - PIN (PLUG)

BRAID

X-WITH BRAID  
0-WITHOUT BRAID  
G-WITH EMI SPRING

LEAD LENGTH (inches) Min

18, 24, 36, 72 (FOR OTHER LENGTHS CONTACT TE CONNECTIVITY)

INSULATION COLOR

1 - ALL WHITE WIRE      7 - COLOR CODED PER MIL-STD-681, SYSTEM 1  
 2 - ALL YELLOW WIRE    8 - SPECIAL COLOR CODE  
 3 - ALL GRAY WIRE      9 - 10 SOLID COLOR REPEATING PER MIL-DTL-83513


WIRE TYPE

PER MIL-W-16878 {  
 A - TYPE E, 7 STRAND  
 B - TYPE ET, 7 STRAND  
 C - TYPE E, 19 STRAND  
 D - TYPE ET, 19 STRAND  
 G - 19 STRAND PER MIL-C-22759/11  
     (26 AWG)  
 Q - STRANDED PER MIL-W-22759/33, SPEC 55A  
     (26 AWG)  
 R - NEMA HP3-EXB  
     (26 AWG)

\*PLEASE CONTACT TE CONNECTIVITY FOR TWISTED PAIR WIRE OPTIONS

WIRE SIZE

4-24 AWG 5-25 AWG 6-26 AWG 8-28 AWG 0-30 AWG

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LAKSHMI SIVAN 08APR2021	 TE Connectivity	
DIMENSIONS: in		CHK N S SUDHAKAR 08APR2021		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SURESH KUMAR M 08APR2021	NAME PLUG ASSY MICRODOT INTEGRATED BACKSHELL	
0 PLC ± 1 PLC ± 2 PLC ±.010 3 PLC ±.005 4 PLC ± ANGLES ±° FINISH		PRODUCT SPEC 108-116083	RESTRICTED TO -	
MATERIAL		APPLICATION SPEC 114-116083	SIZE A2	CAGE CODE 00779
		WEIGHT	DRAWING NO C-2390908	SCALE 5:1
		CUSTOMER DRAWING	SHEET 2 OF 3	REV A

2390908

STOCK DISPOSITION


A: CONTINUE AS IS                      D: USE OLD FIRST  
 B: REWORK                                E: PARTS TO CONFORM  
 C: SCRAP                                    F: OTHER

REVISION HISTORY

DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
-	-	-	-	-	-	-	-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 08APR2021 LAKSHMI SIVAN	 TE Connectivity	
DIMENSIONS: in		CHK 08APR2021 N S SUDHAKAR		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 08APR2021 SURESH KUMAR M	NAME PLUG ASSY MICRODOT INTEGRATED BACKSHELL	
0 PLC ± 1 PLC ± 2 PLC ±.010 3 PLC ±.005 4 PLC ± ANGLES ±° FINISH		PRODUCT SPEC 108-116083	RESTRICTED TO -	
MATERIAL		APPLICATION SPEC 114-116083	SIZE A2	CAGE CODE 00779
		WEIGHT	DRAWING NO C-2390908	SCALE 5:1
		CUSTOMER DRAWING	SHEET 3	OF 3 REV A