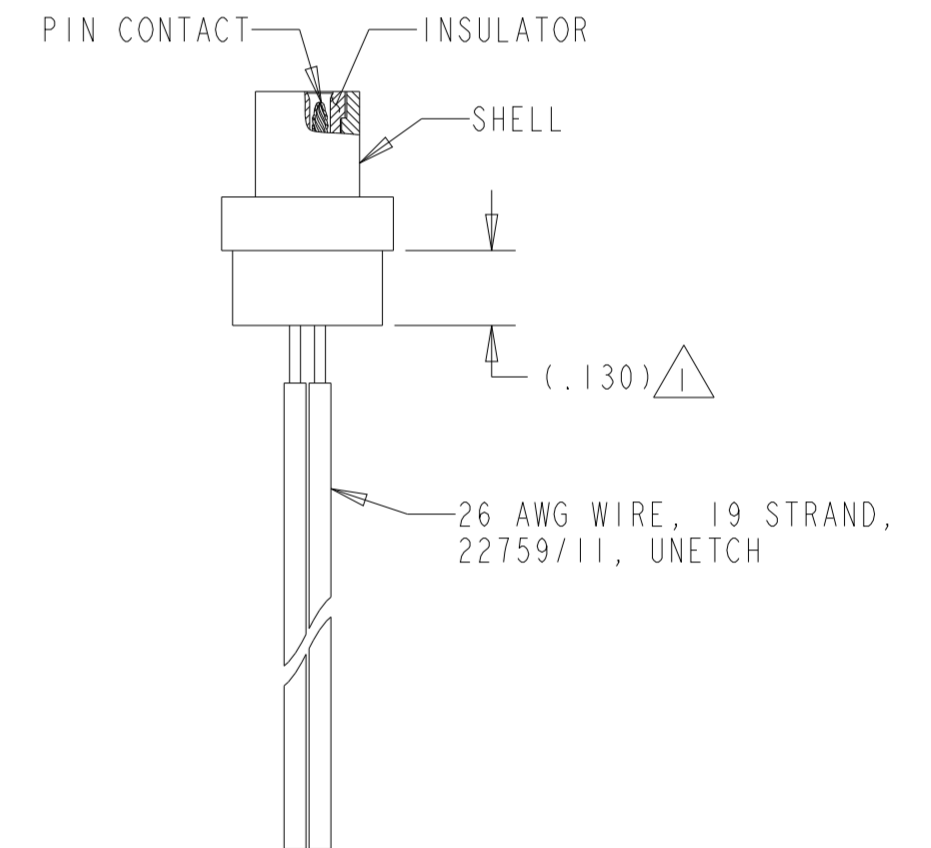
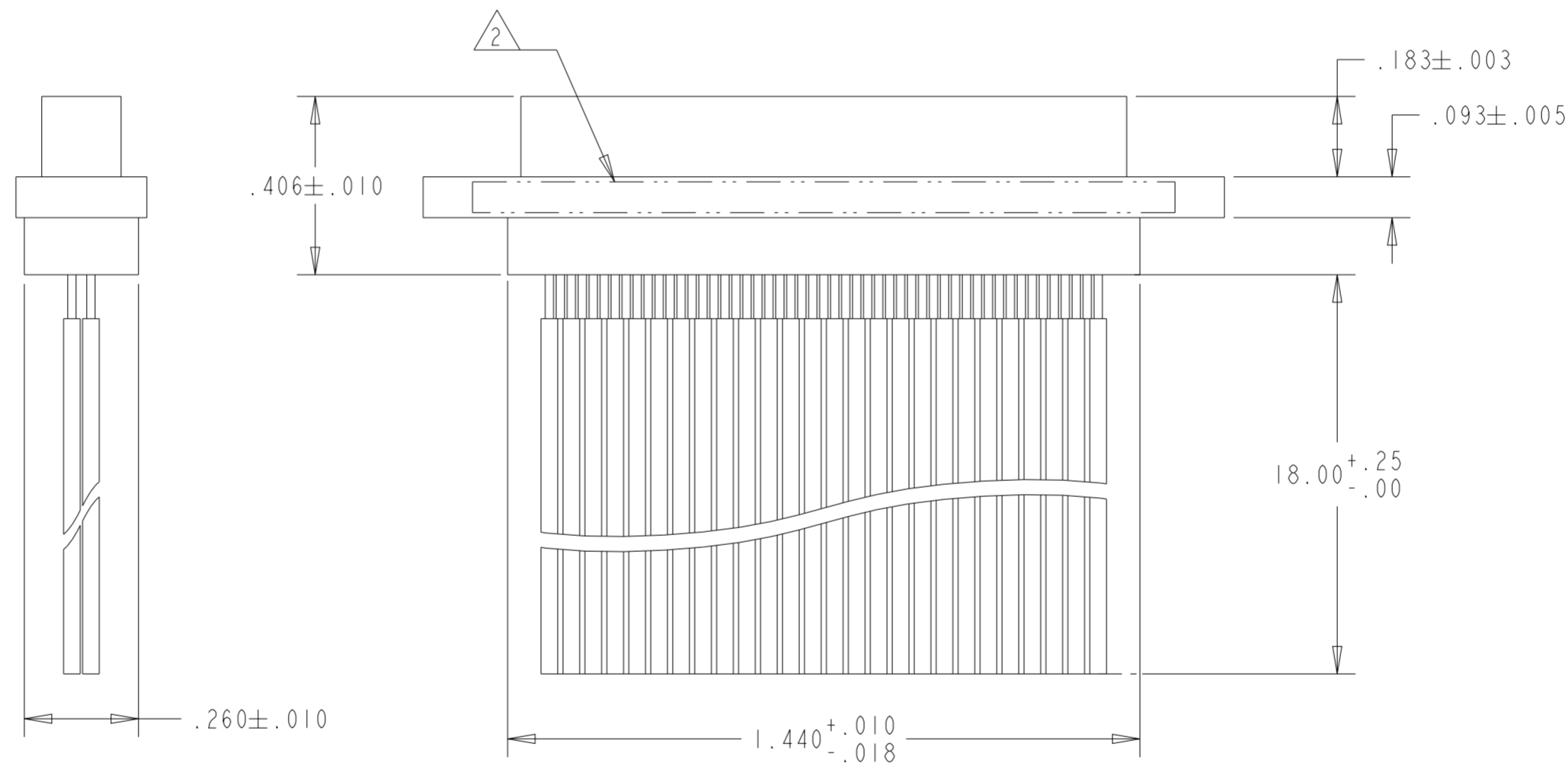
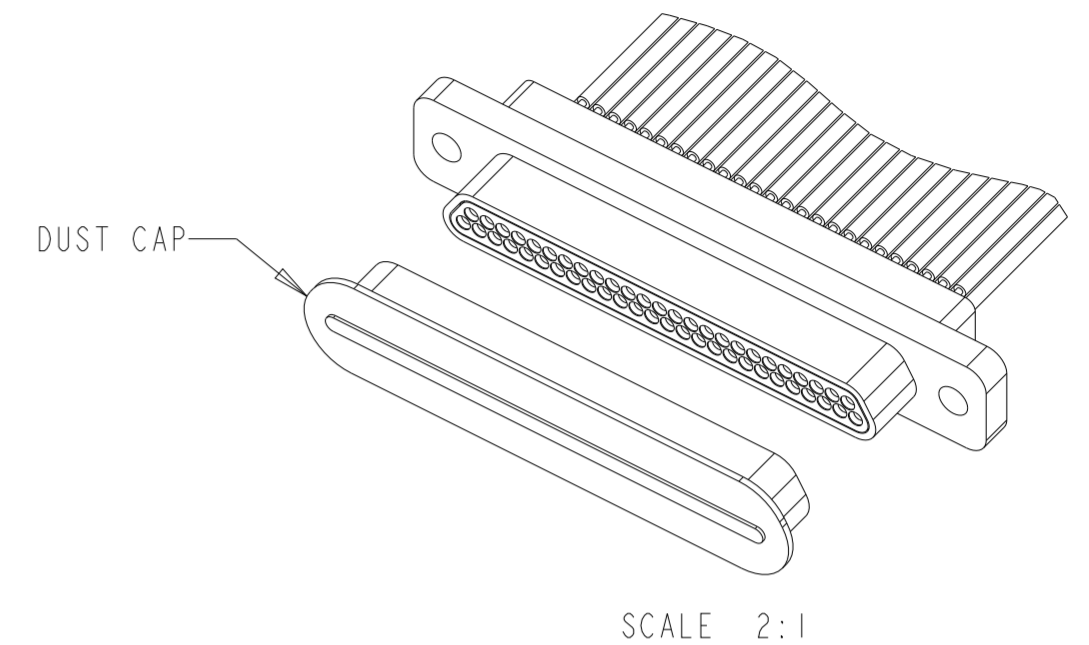
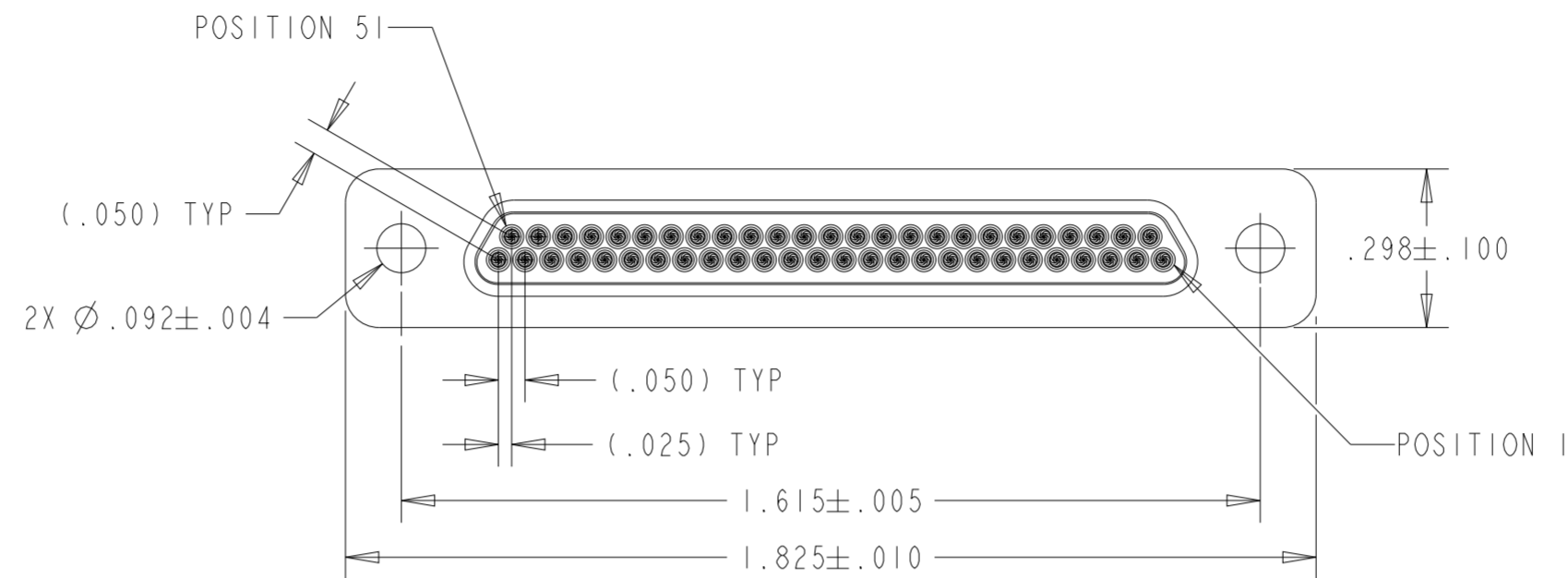


P	LTR	DESCRIPTION	DATE	DWN	APVD
I		ECN-22-165869	26MAY2022	AYG	NH
A		ECN-23-216317	06JUNE2023	HD	NH



1 POTTING LEVEL UP TO THE HEIGHT AS SHOWN

2 INMARK TE PN AND DATE CODE YYWW ON CONNECTOR SHELL

3 SPECIFICATION:

A. ELECTRICAL:  
 CONTACT RESISTANCE : 25 mV MAX. AT 3 AMPS  
 INSULATION RESISTANCE : 5000 MΩ 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

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

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

MCK-NI-B-51P6GI-18  
 PART DESCRIPTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 26MAY2022 A Y GANESHA	TE Connectivity	
DIMENSIONS: INCH		CHK 26MAY2022 HARISH DAS		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 26MAY2022 NIRANJAN HEGDE	NAME PLUG ASSY, SIZE 51, 2 ROW	
0 PLC ± 1 PLC ±.010 2 PLC ±.005 3 PLC ±.005 4 PLC ± ANGLES ±1° FINISH		PRODUCT SPEC 108-116083	SIZE A2	CAGE CODE 98278
MATERIAL		APPLICATION SPEC 114-116083	DRAWING NO G-2415937	RESTRICTED TO -
		WEIGHT 59g	SCALE 3:1 SHEET 1 OF 2 REV A	
		CUSTOMER DRAWING		

REVISIONS

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

CONNECTOR SERIES

MCK

SHELL FINISH

N1 - NICKEL, ELECTROLESS  
C2 - CADMIUM, YELLOW CHROMATE

HARDWARE

B - NO HARDWARE  
KM - JACKSCREW, SLOTTED HEAD, HIGH PROFILE  
LM - JACKSCREW, SLOTTED HEAD, LOW PROFILE  
QM - JACKSCREW, ALLEN HEAD, HIGH PROFILE  
RM - JACKSCREW, ALLEN HEAD, LOW PROFILE  
P - JACKPOST ASSEMBLY

LAYOUT

51 POSITION, 2 ROW CONTACT ARRANGEMENT

CONTACT TYPE

P - PIN (PLUG)

MCK - NI - B - 51R2 P 6 A I - K

LEAD LENGTH (inches) Min

18, 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 GREY WIRE      9 - 10 SOLID COLOR REPEATING PER MIL-DTL-83513


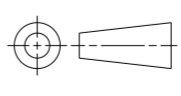
WIRE TYPE

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), 24 AWG  
Q - STRANDED PER MIL-W-22759/33  
    (26 AWG)

WIRE SIZE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCH	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±.010 3 PLC ±.005 4 PLC ± ANGLES ±1° FINISH	DWN A Y GANESHA 26MAY2022	 TE Connectivity		
		CHK HARISH DAS 26MAY2022		NAME PLUG ASSY, SIZE 51, 2 ROW	
	APVD NIRANJAN HEGDE 26MAY2022 PRODUCT SPEC 108-116083 APPLICATION SPEC 114-116083	SIZE A2	CAGE CODE 98278	DRAWING NO C-2415937	RESTRICTED TO -
		MATERIAL	WEIGHT 59g	SCALE 3:1	SHEET 2 OF 2

CUSTOMER DRAWING