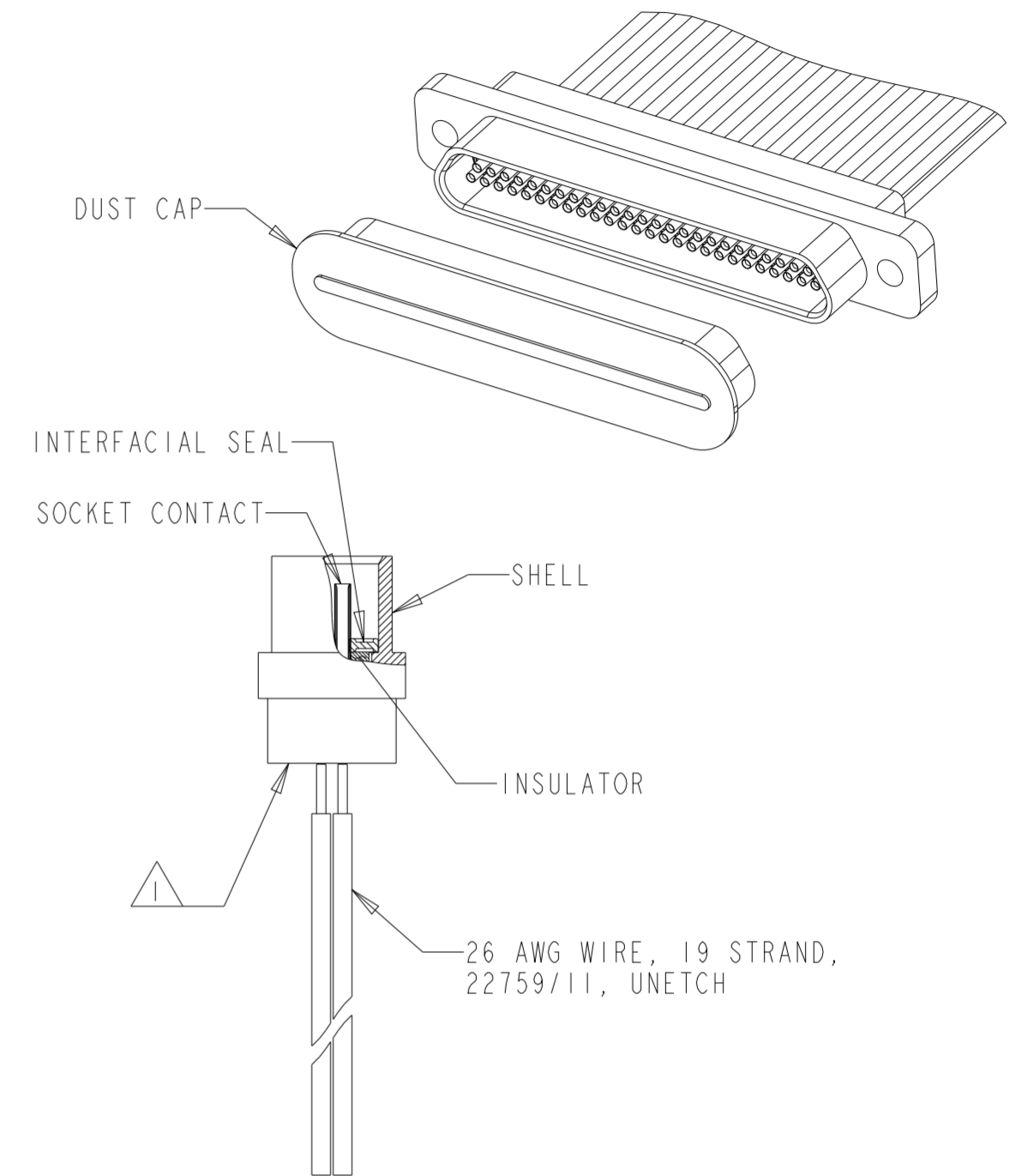
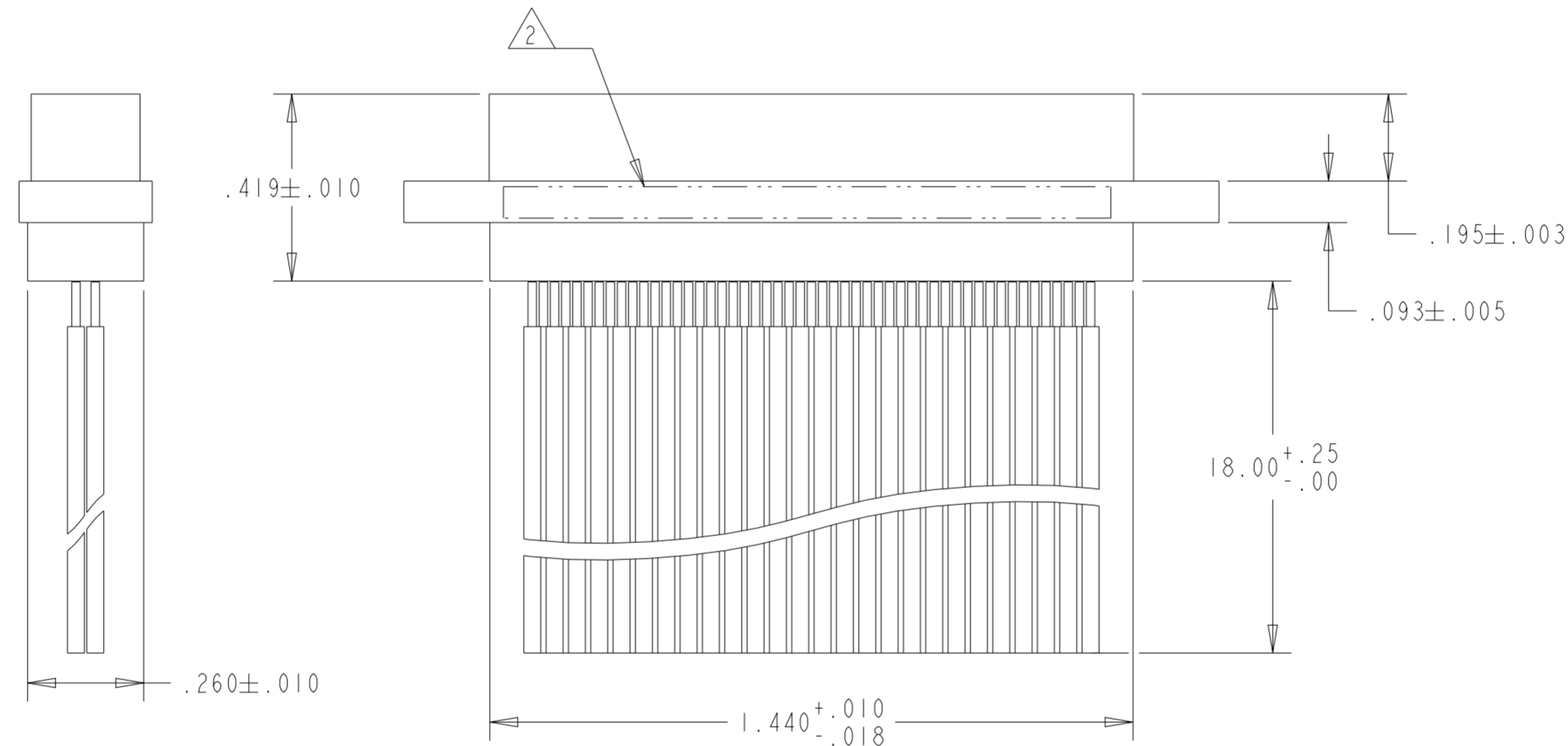
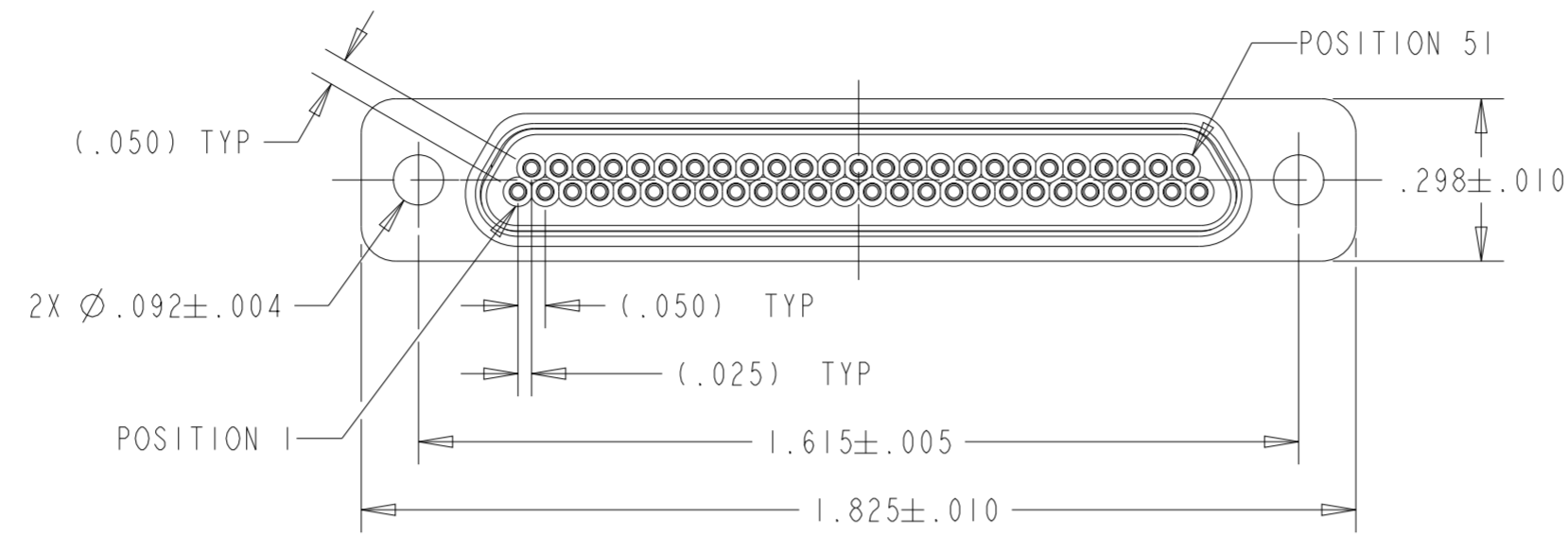


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
1		NEW RELEASE	21APR2021	LS	SKM
2		ECN-22-165874	12MAY2022	LS	NH
3		ECN-23-194478	17JAN2023	LS	NH
A		ECN-23-216317	06JUNE2023	HD	NH



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-51R2S6G1-18
 PART DESCRIPTION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	21APR2021	MCK-NI-B-51R2S6G1-18	
DIMENSIONS: INCHES		CHK	21APR2021	PART DESCRIPTION	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	21APR2021	RECEPTACLE ASSY, SIZE 51, 2 ROW	
0 PLC ±		NAME	SURESH KUMAR M	TE Connectivity	
1 PLC ±.010		PRODUCT SPEC	108-116083	-	
2 PLC ±.005		APPLICATION SPEC	114-116083	-	
3 PLC ±		WEIGHT	59g	-	
4 PLC ±1°		SIZE	A2	-	
FINISH		CAGE CODE	98278	-	
MATERIAL		DRAWING NO	G-2385096	-	
4		RESTRICTED TO		-	
5		SCALE	3:1	-	
		SHEET	1	-	
		OF	2	-	
		REV	A	-	

REVISIONS

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

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

CONNECTOR SERIES

MCK

SHELL FINISH

NI - 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

S - SOCKET (RECEPTACLE)

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.		DWN LAKSHMI SIVAN 21 APR 2021	 TE Connectivity	
DIMENSIONS: INCHES		CHK N S SUDHAKAR 21 APR 2021		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SURESH KUMAR M 21 APR 2021	NAME RECEPTACLE ASSY, SIZE 51, 2 ROW	
0 PLC ± 1 PLC ± 2 PLC ±.010 3 PLC ±.005 4 PLC ± ANGLES ±°		PRODUCT SPEC 108-116083	RESTRICTED TO -	
MATERIAL -		APPLICATION SPEC 114-116083	SIZE A2	CAGE CODE 98278
FINISH -		WEIGHT 59g	DRAWING NO C-2385096	SCALE 3:1
		CUSTOMER DRAWING	SHEET 2	OF 2
			REV A	