




- 1 ALL DIMENSIONS, MATERIALS, AND FINISHES ARE IN ACCORDANCE WITH MIL-DTL-32139 AND MIL-DTL-32139/3
- 2 SEE SHEET 2 FOR MIL-DTL-32139 PIN (PART IDENTIFYING NUMBER) AND CORRESPONDING TE PART NUMBERS
- 3 INSULATOR SHALL BE FLUSH WITH THE SHELL TO WITHIN  $\pm .004$
- 4 WIRE TYPE DEFINED BY MIL-DTL-32139/3
- 5 CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD I OF MIL-STD-1285. MARKING SHALL CONTAIN THE MILITARY PIN AND POSITION 1 INDICATED BY AN IDENTIFIABLE MARK, LOCATED APPROXIMATELY AS SHOWN ON THE POSITION 1 SIDE OF THE CONNECTOR FLANGE. TEXT HEIGHT SHALL BE .035 INCH MINIMUM.
- 6 CONNECTOR SHALL BE MARKED IN ACCORDANCE WITH METHOD I OF MIL-STD-1285. MARKING SHALL CONTAIN TE, CAGE CODE AND DATE CODE. EXAMPLE: TE OPJN9 YYWW (WHERE YYWW IS THE DATE CODE). TEXT HEIGHT SHALL BE .035 INCH MINIMUM.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C SCHOLL	16 AUG 10	<div>TE Connectivity</div> <div>PLUG ASSEMBLY, TWO ROW, FLYING LEADS, PER MIL-DTL-32139/3, SIZE 51</div>			
DIMENSIONS: INCHES		CHK M STORRY	16 AUG 10				
		APVD —	—	NAME			
		PRODUCT SPEC		—			
MATERIAL SEE NOTES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		—	
		FINISH		WEIGHT		—	
		SEE NOTES		CUSTOMER DRAWING		SCALE 6:1	
				SHEET 1 of 2		REV B	

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
—	—		—	SEE SHEET 1	—	—	—

PART NUMBER CROSS REFERENCE			
TE P/N	L DIM 	MIL SPEC PIN 	NANONICS P/N
1925220-1	6	M32139/03-G01SNS	TMN2N051PC2DX006S
1925220-2	6	M32139/03-G01SSS	TMN2S051PC2DX006S
1925220-3	18	M32139/03-G02SNS	TMN2N051PC2DX018S
1925220-4	18	M32139/03-G02SSS	TMN2S051PC2DX018S
1925220-5	36	M32139/03-G03SNS	TMN2N051PC2DX036S
1925220-6	36	M32139/03-G03SSS	TMN2S051PC2DX036S
1925220-7	6	M32139/03-G04SNS	TMN2N051PC2DM006S
1925220-8	6	M32139/03-G04SSS	TMN2S051PC2DM006S
1925220-9	18	M32139/03-G05SNS	TMN2N051PC2DM018S
1-1925220-0	18	M32139/03-G05SSS	TMN2S051PC2DM018S
1-1925220-1	36	M32139/03-G06SNS	TMN2N051PC2DM036S
1-1925220-2	36	M32139/03-G06SSS	TMN2S051PC2DM036S
1-1925220-3	6	M32139/03-G07SNS	TMN2N051PC2DT006S
1-1925220-4	6	M32139/03-G07SSS	TMN2S051PC2DT006S
1-1925220-5	18	M32139/03-G08SNS	TMN2N051PC2DT018S
1-1925220-6	18	M32139/03-G08SSS	TMN2S051PC2DT018S
1-1925220-7	36	M32139/03-G09SNS	TMN2N051PC2DT036S
1-1925220-8	36	M32139/03-G09SSS	TMN2S051PC2DT036S
1-1925220-9	6	M32139/03-G10SNS	TMN2N051PC2TM006S
2-1925220-0	6	M32139/03-G10SSS	TMN2S051PC2TM006S
2-1925220-1	18	M32139/03-G11SNS	TMN2N051PC2TM018S
2-1925220-2	18	M32139/03-G11SSS	TMN2S051PC2TM018S
2-1925220-3	36	M32139/03-G12SNS	TMN2N051PC2TM036S
2-1925220-4	36	M32139/03-G12SSS	TMN2S051PC2TM036S

	2-1925220-5	6	M32139/03-G13SNS	TMN2N051PC2CX006S
	2-1925220-6	6	M32139/03-G13SSS	TMN2S051PC2CX006S
	2-1925220-7	18	M32139/03-G14SNS	TMN2N051PC2CX018S
	2-1925220-8	18	M32139/03-G14SSS	TMN2S051PC2CX018S
	2-1925220-9	36	M32139/03-G15SNS	TMN2N051PC2CX036S
	3-1925220-0	36	M32139/03-G15SSS	TMN2S051PC2CX036S
	3-1925220-1	6	M32139/03-G16SNS	TMN2N051PC2CM006S
	3-1925220-2	6	M32139/03-G16SSS	TMN2S051PC2CM006S
	3-1925220-3	18	M32139/03-G17SNS	TMN2N051PC2CM018S
	3-1925220-4	18	M32139/03-G17SSS	TMN2S051PC2CM018S
	3-1925220-5	36	M32139/03-G18SNS	TMN2N051PC2CM036S
	3-1925220-6	36	M32139/03-G18SSS	TMN2S051PC2CM036S

TMN

X

X

XXX

XX

X

XX

XXX

X

CLASS

M32139

ROW

2 2 ROW

FINISH

N ELECTROLESS NICKEL

S STAINLESS STEEL

POSITION

051 51 POSITION

HARDWARE/THREADS

S 0-80 JACKSCREW, CAPTIVATED (PLUGS)

CONDUCTOR LENGTH


006 SIX INCHES

018 EIGHTEEN INCHES


036 THIRTY SIX INCHES

CONDUCTOR TYPE


DX WHITE PTFE PER NEMA HP3-ETXBBB9

DM COLOR CODED PTFE PER MIL-STD-681, SYSTEM 1 

DT WHITE ETFE PER M22759/33-30-9

TM COLOR CODED ETFE PER MIL-STD-681, SYSTEM 1 

CX WHITE COMPOSITE/PTFE PER DSCC 04047-30A-9


CM COLOR CODED COMPOSITE/PTFE PER MIL-STD-681, SYSTEM 1 

CONDUCTOR SIZE/STRANDS


2 30AWG 7 STRAND

CONFIGURATION


PC PLUG



THE FINAL 'S' IN THE MIL-SPEC PIN SIGNIFIES THAT THE CONNECTOR IS "SPACE CLASS". OMITTING THIS CHARACTER WILL YIELD THE SAME CORRESPONDING TE AND NANONICS PART NUMBERS.



THE COLOR CODE SHALL ONLY INCLUDE THE 10 SOLID COLORS IN REPEATING SEQUENCE.



PRELIMINARY PARTS – NOT RELEASED FOR PRODUCTION

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1925220-9](#) [M32139/03-G05SNS](#)