



1

CONNECTOR BODY, COUPLING NUT & BACKSHELL MATERIAL: 6061-T6 ALUMINUM, ELECTROLESS NICKEL PLATE PER SAE-AMS-C-26074 OR AMS 2404E  
LOCKING RING MATERIAL: BERYLLIUM COPPER, ELECTROLESS NICKEL PLATE PER SAE-AMS-C-26074 OR AMS 2404E  
INSULATOR MATERIAL: LIQUID CRYSTAL POLYMER (LCP) PER ASTM D5138 OR POLYPHENYLENE SULFIDE (PPS) PER ASTM D4067  
O-RING MATERIAL: FLUOROSILICONE

2

WIRE TERMINATION: 28AWG SOLID, 30AWG STRANDED WIRE OR SMALLER.

3

BONDING RESISTANCE BETWEEN CONNECTOR BODY AND BACKSHELL TO BE 25 MILLIOHMS MAXIMUM. BACKSHELL TO BE BONDED TO PLUG SHELL WITH CONDUCTIVE EPOXY.

4

LUBRICATE O-RING WITH PARKER SUPER-O-LUBE PRIOR TO INSTALLATION

5

BACKSHELL MAY BE ORIENTED IN THE EIGHT DIRECTIONS SHOWN (R1 THRU R8). POSITION R5 IS CONSIDERED STANDARD. THE BACKSHELL CODE AT THE END OF THE NANONICS PART NUMBER SHALL INDICATE BACKSHELL ORIENTATION.

6

THIS DRAWING ALSO IDENTIFIED AS NANONICS 303-0138

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	.010
3 PLC	±	.005
4 PLC	±	-
ANGLES	±	10°

FINISH

SEE NOTES

MATERIAL

SEE NOTES

DWN  
D. MORALES  
23OCT08

CHK  
M. STORRY  
23OCT08

APVD  
—

PRODUCT SPEC  
—

APPLICATION SPEC  
—

WEIGHT  
—

CUSTOMER DRAWING

NAME

PLUG ASSEMBLY, CIRCULAR,  
THREADED COUPLING, METAL,  
19 POSITION W/ 90 DEGREE BACKSHELL

SIZE  
A2

CAGE CODE  
0PJN9

DRAWING NO  
C=1925030

RESTRICTED TO  
—

SCALE  
5:1

SHEET  
1 of 1

REV  
B

TE Connectivity

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