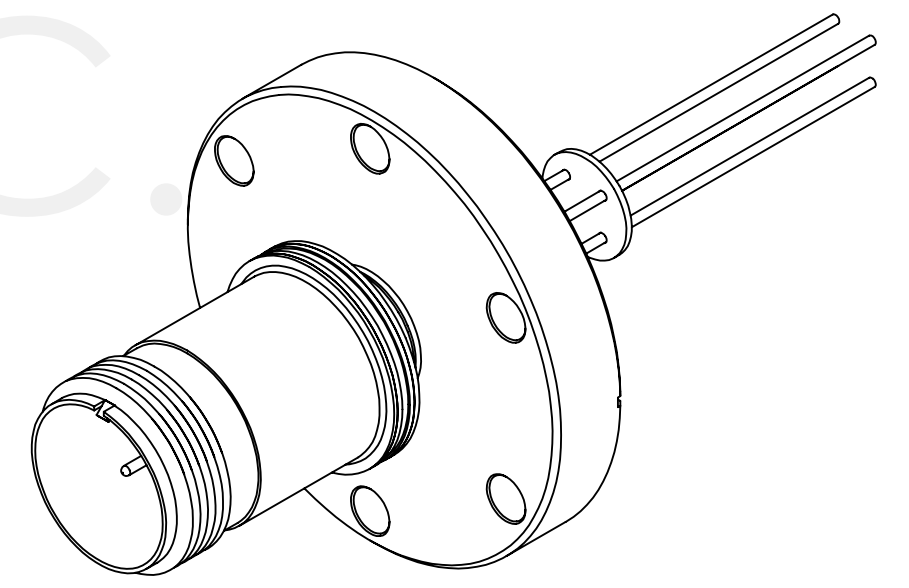
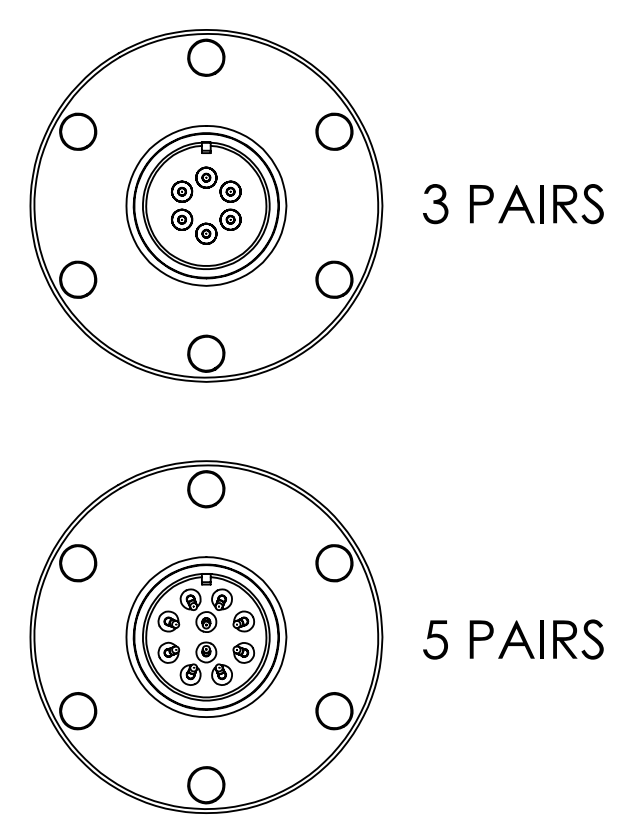
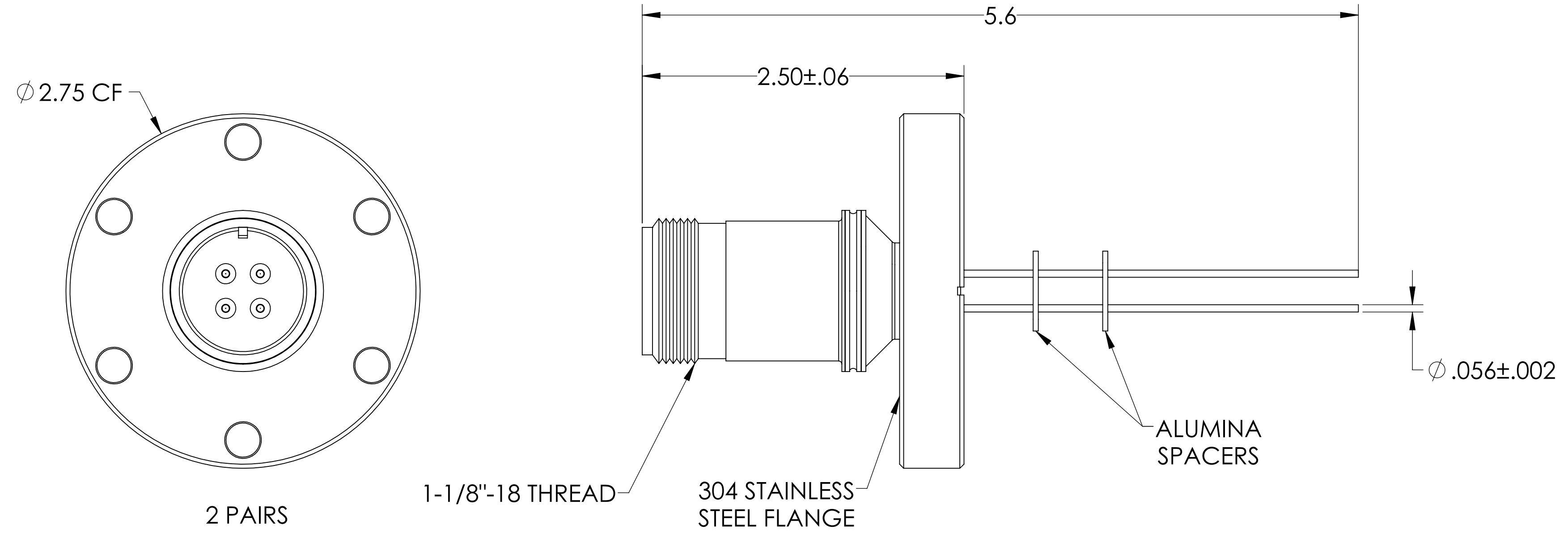


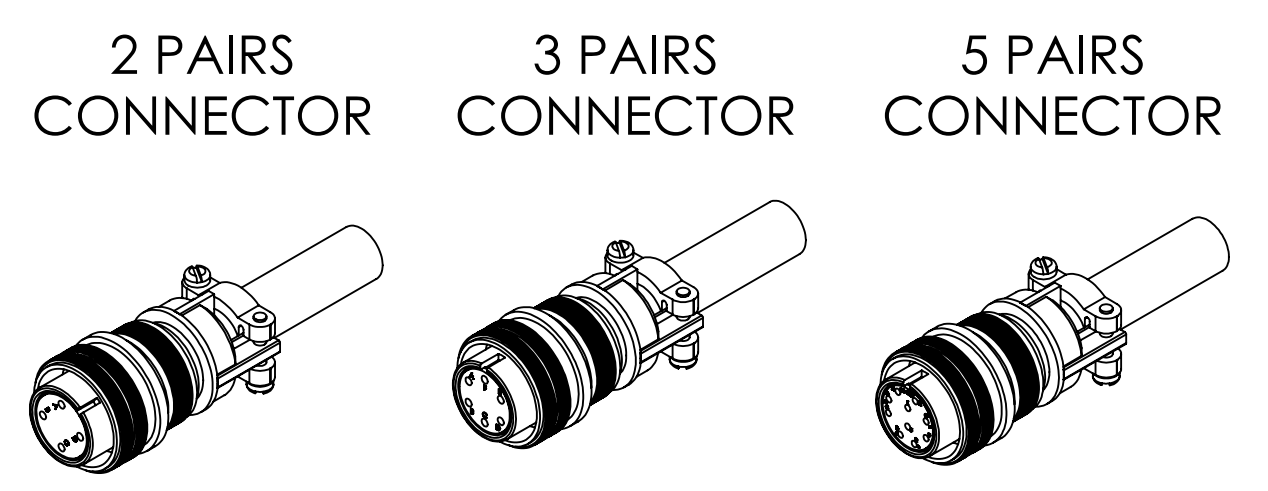
MPF PRODUCTS INC.



- NOTES:
 * TYPE K:
 ALUMEL CONDUCTORS HAVE A NEGATIVE POLARITY (MAGNETIC) AND THE VACUUM SIDE ENDS ARE FLAT.
 CHROMEL CONDUCTORS HAVE A POSITIVE POLARITY (NON - MAGNETIC) AND THE VACUUM SIDE ENDS HAVE A RADIUS.
 * TYPE J:
 CONSTANTAN CONDUCTORS HAVE A NEGATIVE POLARITY (NON - MAGNETIC) AND THE VACUUM SIDE ENDS ARE FLAT.
 IRON CONDUCTORS HAVE A POSITIVE POLARITY (MAGNETIC) AND THE VACUUM SIDE ENDS HAVE A RADIUS.
 * TYPE E:
 CONSTANTAN CONDUCTORS HAVE A NEGATIVE POLARITY (NON - MAGNETIC) AND THE VACUUM SIDE ENDS ARE FLAT.
 CHROMEL CONDUCTORS HAVE A POSITIVE POLARITY (NON - MAGNETIC) AND THE VACUUM SIDE ENDS HAVE A RADIUS.



| PART # | T/C TYPE | # OF PAIRS |
|-------------|----------|------------|
| A0193-1-CF | K | 2 |
| A0193-2-CF | J | 2 |
| A0193-3-CF | E | 2 |
| A0193-5-CF | K | 3 |
| A0193-6-CF | J | 3 |
| A0193-7-CF | E | 3 |
| A0193-9-CF | K | 5 |
| A0193-10-CF | J | 5 |
| A0193-11-CF | E | 5 |



- SPECIFICATIONS:
 1. TEMPERATURE RATING: -100 TO 450°C
 2. LEAK RATE < 1X10-9 ATM CC/SEC HE

MS Series, Thermocouple Feedthrough, w/Air-side Connector, 2.75" Conflat Flange

| | | |
|--|----------------------------------|--|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR: MACH ± 1/2° TWO PLACE DECIMAL ± .030 THREE PLACE DECIMAL ± .015 | QUOTATION # N/A | MPF PRODUCTS INC. |
| MATERIAL | THIRD ANGLE: | THERMOCOUPLE, MS CONNECTOR, 275CF |
| FINISH | APPLICATION NEXT ASSY USED ON | DRAWN WJ 9/11/2015 CHECKED 9/11/2015 ENG APPR. WJ 9/11/2015 |
| PLATING | SURFACE FINISH: 63/ OR BETTER | UNLESS OTHERWISE SPECIFIED: ALL DIAMETERS CONCENTRIC WITHIN .005. REMOVE ALL BURRS AND SHARP EDGES |
| DOWNLOADED FROM MPFPI.COM DWG. NO. A0193 Friday, February 8, 2019 8:58:30 AM | | REV |