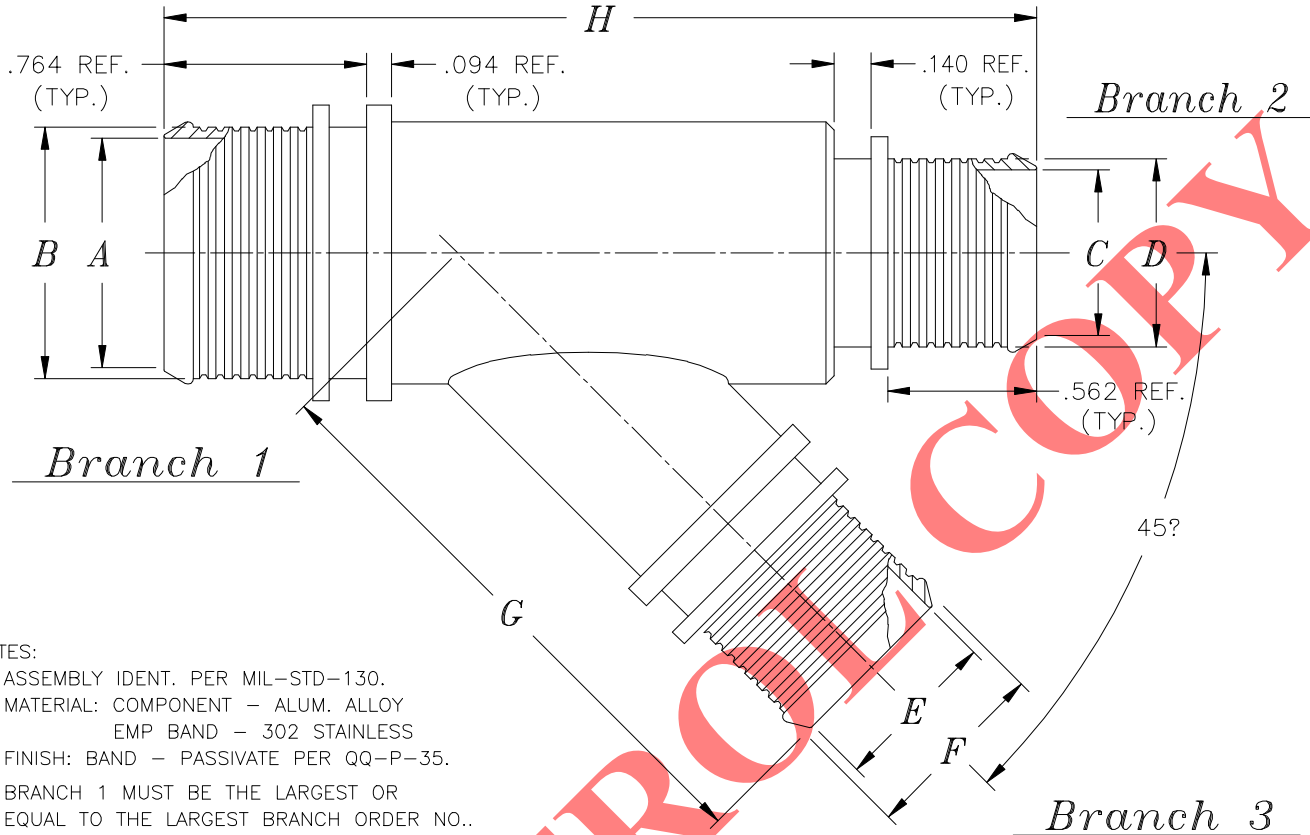


**ELECTRO ADAPTER, INC.**  
 CHATSWORTH, CALIFORNIA, USA 91311  
 PHONE: (818) 998-1198  
 FAX: (818) 709-5773  
 WEB SITE: www.electro-adapter.com

**FILCON "Y" ADAPTER w/  
 217 SERIES TERMINATION**

SPECIFICATION CONTROL DRAWING

901-503



NOTES:

1. ASSEMBLY IDENT. PER MIL-STD-130.
2. MATERIAL: COMPONENT - ALUM. ALLOY  
 EMP BAND - 302 STAINLESS
3. FINISH: BAND - PASSIVATE PER QQ-P-35.

4. BRANCH 1 MUST BE THE LARGEST OR  
 EQUAL TO THE LARGEST BRANCH ORDER NO..

*Example Part Number*

901-503-16101055BC

BASIC ADAPTER NO.

| BRANCH 1<br>ORDER<br>NO. 4 | A                        | B              | H      | BRANCH 2<br>ORDER<br>NO. | C                        | D              | BRANCH 3<br>ORDER<br>NO. | E                        | F              | G<br>MAX. |
|----------------------------|--------------------------|----------------|--------|--------------------------|--------------------------|----------------|--------------------------|--------------------------|----------------|-----------|
|                            | +0.010<br>-0.020<br>DIA. | ±0.015<br>DIA. | ±0.062 |                          | +0.010<br>-0.020<br>DIA. | ±0.015<br>DIA. |                          | +0.010<br>-0.020<br>DIA. | ±0.015<br>DIA. | G<br>MAX. |
| 0 4                        | .250                     | .334           | 2.606  | 0 4                      | .250                     | .334           | 0 4                      | .250                     | .334           | 1.437     |
| 0 5                        | .312                     | .396           | 2.681  | 0 5                      | .312                     | .396           | 0 5                      | .312                     | .396           | 1.512     |
| 0 6                        | .375                     | .459           | 2.756  | 0 6                      | .375                     | .459           | 0 6                      | .375                     | .459           | 1.587     |
| 0 7                        | .438                     | .521           | 2.833  | 0 7                      | .438                     | .521           | 0 7                      | .438                     | .521           | 1.664     |
| 0 8                        | .500                     | .584           | 2.908  | 0 8                      | .500                     | .584           | 0 8                      | .500                     | .584           | 1.739     |
| 0 9                        | .562                     | .646           | 2.982  | 0 9                      | .562                     | .646           | 0 9                      | .562                     | .646           | 1.813     |
| 1 0                        | .625                     | .709           | 3.057  | 1 0                      | .625                     | .709           | 1 0                      | .625                     | .709           | 1.888     |
| 1 2                        | .750                     | .834           | 3.209  | 1 2                      | .750                     | .834           | 1 2                      | .750                     | .834           | 2.040     |
| 1 4                        | .875                     | .959           | 3.359  | 1 4                      | .875                     | .959           | 1 4                      | .875                     | .959           | 2.190     |
| 1 6                        | 1.000                    | 1.084          | 3.511  | 1 6                      | 1.000                    | 1.084          | 1 6                      | 1.000                    | 1.084          | 2.342     |
| 1 8                        | 1.125                    | 1.209          | 3.661  | 1 8                      | 1.125                    | 1.209          | 1 8                      | 1.125                    | 1.209          | 2.492     |
| 2 0                        | 1.250                    | 1.334          | 3.813  | 2 0                      | 1.250                    | 1.334          | 2 0                      | 1.250                    | 1.334          | 2.644     |
| 2 2                        | 1.375                    | 1.459          | 3.963  | 2 2                      | 1.375                    | 1.459          | 2 2                      | 1.375                    | 1.459          | 2.794     |
| 2 4                        | 1.500                    | 1.584          | 4.115  | 2 4                      | 1.500                    | 1.584          | 2 4                      | 1.500                    | 1.584          | 2.946     |

CONDUIT INTERFACE

C = INTERNAL HELICAL  
 CONDUIT THREAD.  
 OMIT IF NOT REQ'D

TERMINATION NUMBER

B = Y-FITTING SUPPLIED w/  
 '3' 214L002 EMP BANDS

PLATING CODE NUMBER

55 = CADMIUM, OLIVE DRAB,  
 PER QQ-P-416, TYPE II, CLASS 3,  
 OVER ELECTROLESS NICKEL PER  
 MIL-C-26074, CLASS 3 OR 4 GRADE B  
 56 = ELECTROLESS NICKEL PER  
 MIL-C-26074, CLASS 3 OR 4, GRADE A  
 FOR ADDITIONAL FINISH OPTIONS  
 SEE CATALOGUE, EAPL001

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES

MATERIAL AND FINISH PER NOTES  
 DO NOT SCALE DRAWING

TOLERANCES: .XX = ± .06  
 .XXX = ± .03  
 ANGLES = ± 2'

CAGE CODE  
 31461

O/SALES/901  
 503

DR RGW  
 03-05-93

CHK GF  
 3-27-95

APP GF  
 3-27-95

REV.  
 A



**STANDARD FINISHES**

| PLATING CODE | FINISH  | SPECIFICATION  | ACCESSORY MATERIAL | CORROSION RESISTANCE (HRS) | ROHS COMPLIANT |
|--------------|---|--|--------------------|----------------------------|----------------|
| 0 3          | CADIUM PLATE, OLIVE DRAB                          | SAE AMS-QQ-P-416, TYPE II, CLASS 3   | ALUMINUM           | 96                         | NO             |
| 1 0          | PASSIVATE   | SAE AMS-QQ-P-35, (AS85049 CODE S)  | STAINLESS STEEL    | 1000                       | YES            |
| 1 2          | ZINC NICKEL, BLACK                                | ASTM B841  | ALUMINUM           | 500                        | YES            |
| 1 3          | ZINC COBALT, OLIVE DRAB                           | ASTM B840-99   | ALUMINUM           | 96                         | NO             |
| 1 4          | ZINC COBALT, BLACK                                | ASTM B840-99   | ALUMINUM           | 96                         | NO             |
| 2 1          | IRIDITE, 14-2, GOLD                               | IRIDITE, NUMBER 14-2 PER MIL-DTL-5541 CL 3   | ALUMINUM           | 96                         | NO             |
| 3 4          | ANODIZE, BLACK                                    | MIL-A-8625, TYPE II, CL 3 (AS85049 CODE A)   | ALUMINUM           | 1000                       | YES            |
| 3 5          | ANODIZE ,GREY                                     | MIL-A-8625, TYPE II, CLASS 2   | ALUMINUM           | 500                        | YES            |
| 4 4          | ANODIZE, HARD, BLACK                              | MIL-A-8625, TYPE II, CLASS 2   | ALUMINUM           | 500                        | YES            |
| 4 5          | ANODIZE, HARD, GREY                               | MIL-A-8625, TYPE II, CLASS 2   | ALUMINUM           | 1000                       | YES            |
| 4 8          | ELECTROLESS NICKEL                                | AMS-2404F, CLASS 4, GRADE B  | STAINLESS STEEL    | 48                         | NO             |
| 5 1          | ELECTROLESS NICKEL                                | AMS-2404F, CLASS 4, GRADE B  | ALUMINUM           | 48                         | NO             |
| 5 5          | CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL | SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL, PER AMS-2404F (AS85049 CODE W)                        | ALUMINUM           | 1000                       | NO             |
| 5 6          | ELECTROLESS NICKEL                                | AMS-2404F, CLASS 4, GRADE A  | ALUMINUM           | 96                         | NO             |
| 5 6 R        | ELECTROLESS NICKEL                                | AMS-2404F, CLASS 4, GRADE A  | ALUMINUM           | 48                         | YES            |
| 5 7          | ELECTROLESS NICKEL                                | AMS-2404F, CLASS 4, GRADE A (AS85049 CODE N)   | ALUMINUM           | 96                         | NO             |
| 64           | CADIUM PLATE, OLIVE DRAB, OVER ELECTROLESS NICKEL | SAE AMS-QQ-P-416, TYPE II, CLASS 3, OVER  ELECTROLESS NICKEL, PER AMS-2404F (SELECTIVE PLATING REF AS85049 CODE P) | ALUMINUM           | 1000                       | NO             |
| 85           | PASSIVATED  | SAE AMS-QQ-P-35  | 316 SST            | 1000                       | YES            |
| 87           | BEAD BLASTED                                      | N/A  | NI. ALUM. BRONZE   | 1000                       | YES            |

NOTES: UNLESS OTHERWISE SPECIFIED

1. CORROSION RESISTANCE IS SPECIFIED FOR SALT SPRAY IN ACCORDANCE WITH AS85049

CONSULT FACTORY FOR OTHER FINISHES

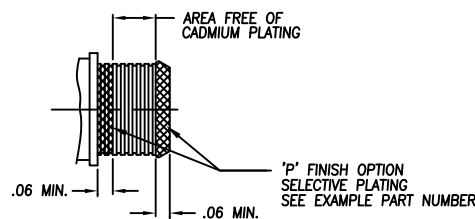
FINISHES ARE APPLICABLE TO THE CONNECTOR ACCESSORIES ONLY AND EXCLUDE FASTENERS AND OTHER HARDWARE

4. EMI/RFI ACCESSORIES ARE SUPPLIED WITH CONDUCTIVE FINISHES ONLY

5. ANODIZE NOT SUITABLE FOR EMI SHIELDING OR GROUNDING APPLICATIONS

6. ALL THE CONDUCTIVE FINISHES USED ON ALUMINUM CAN ALSO BE USED ON BRASS (CONSULT FACTORY)

CADMIUM/NICKEL INTERFACE SHALL BE COATED WITH POLYSULFIDE SEALANT (REF FIGURE 2 BELOW)



**FIGURE 2**



**STANDARD MATERIALS**

| COMPONENT              | MATERIAL  | SPECIFICATION  |
|------------------------|---|--|
| MACHINED COMPONENTS    | ALUMINUM<br>STAINLESS STEEL (300 SERIES)<br>BRASS<br>NICKEL ALUMINUM BRONZE | ASTM B221, ASTM B211 (MFG OPTION)<br>AMS-QQ-S-763, QQ-S-764 (MFG OPTION)<br>QQ-B-626<br>ASTMB150 (AMS4640) |
| DIE CAST COMPONENTS    | ALUMINUM  | ASTM B 85  |
| FASTENERS AND HARDWARE | STAINLESS STEEL (300 SERIES)<br>STEEL<br>BRASS                              | AMS-QQ-S-763<br>SAE20, QQ-S-634, QQ-S-637<br>QQ-B-626  |
| ELASTOMERIC SEALS      | SILICONE<br>BUNA-N<br>NEOPRENE  | ZZ-R-765B, MIL-R-25988<br>AMS-3209<br>MIL-R-3065   |

NOTES: UNLESS OTHERWISE SPECIFIED

1. THE SPECIFIED MATERIALS ARE STANDARD FOR THE MAJORITY OF CONNECTOR ACCESSORIES
2. CONSULT FACTORY FOR OTHER MATERIALS
3. FOR DOCUMENTS LISTED WITHIN THIS CATALOG WITH OUT A TOLERANCE SHOWN SHALL HAVE TOLERANCES AS FALLOWED:
  - .X =  $\pm .2$
  - .XX =  $\pm .12$
  - .XXX =  $\pm .062$
  - X° =  $\pm 10^\circ$