

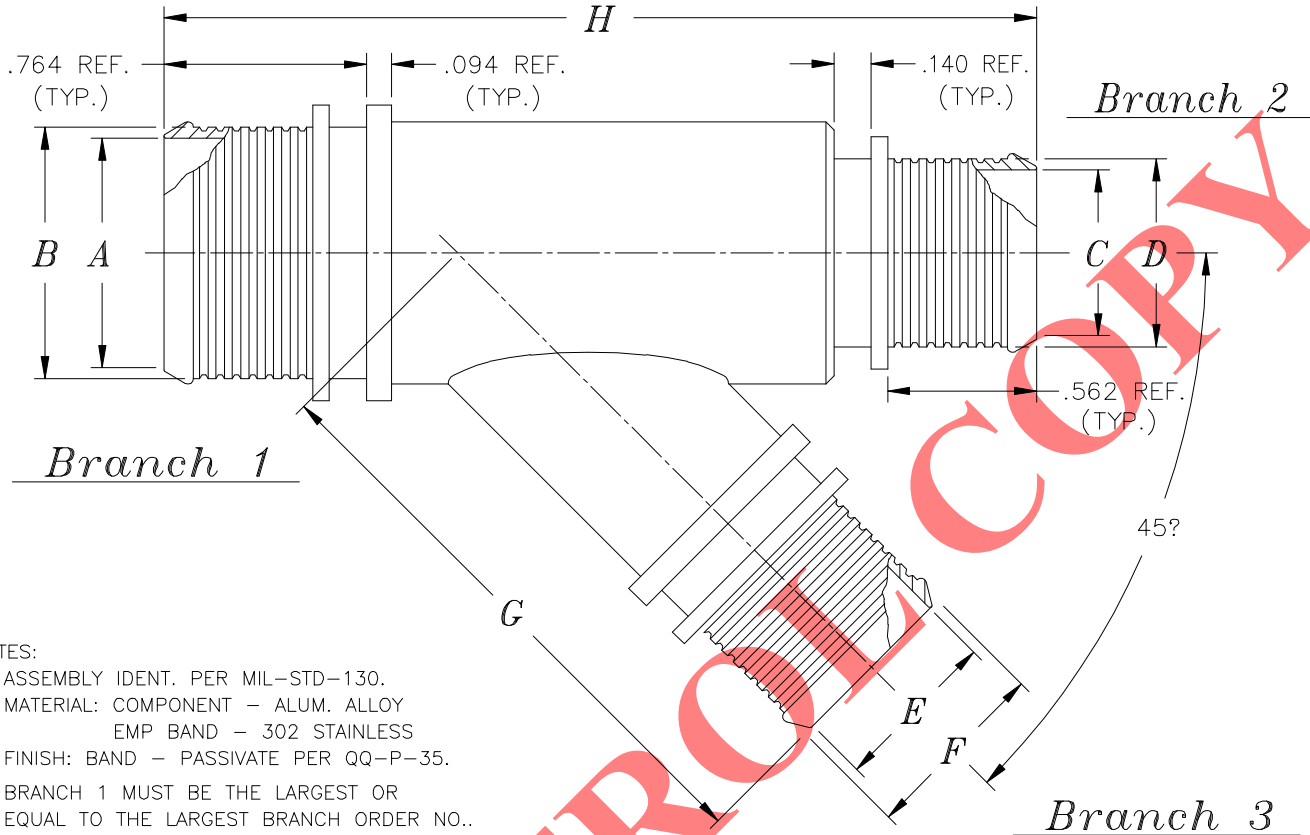


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**FILCON "Y" ADAPTER w/  
 217 SERIES TERMINATION**

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 ORDER NO. 4	A	B	H	BRANCH 2 ORDER NO.	C	D	BRANCH 3 ORDER NO.	E	F	G MAX.
	+0.010 -0.020 DIA.	±0.015 DIA.	±0.062		+0.010 -0.020 DIA.	±0.015 DIA.		+0.010 -0.020 DIA.	±0.015 DIA.	G 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

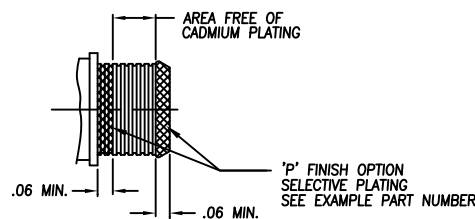
FINISHES ARE APPLICABLE TO THE CONNECTOR ACCESSORIES ONLY AND EXCLUDE FASTENERS AND OTHER HARDWARE

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 STAINLESS STEEL (300 SERIES) BRASS NICKEL ALUMINUM BRONZE	ASTM B221, ASTM B211 (MFG OPTION) AMS-QQ-S-763, QQ-S-764 (MFG OPTION) QQ-B-626 ASTMB150 (AMS4640)
DIE CAST COMPONENTS	ALUMINUM	ASTM B 85
FASTENERS AND HARDWARE	STAINLESS STEEL (300 SERIES) STEEL BRASS	AMS-QQ-S-763 SAE20, QQ-S-634, QQ-S-637 QQ-B-626
ELASTOMERIC SEALS	SILICONE BUNA-N NEOPRENE	ZZ-R-765B, MIL-R-25988 AMS-3209 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° =  $\pm 10^\circ$