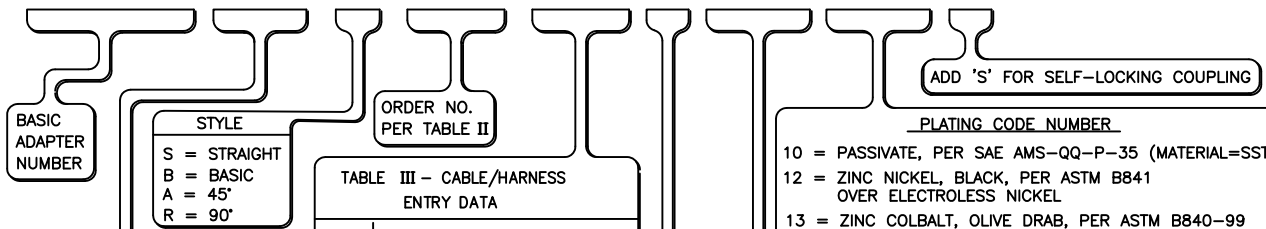


Example Part Number

271 41 S 16 1 0 1 0 8 5 5 S



| MILITARY SPECIFICATION | SERIES | CODE NO. |
|------------------------|--------------------------------|----------|
| MIL-DTL-5015 | 3100 | 18 |
| MIL-DTL-26482 | 1 | 21 |
| MIL-DTL-26482 | I (07) | 24 |
| MIL-DTL-28840 | - | 30 |
| MIL-DTL-38999 | III & IV | 40 |
| MIL-DTL-38999 | I & II | 41 |
| MIL-DTL-26482 | 2 | 54 |
| MIL-DTL-5015 | 3400 | 54 |
| MIL-C-81703 | 3 | 54 |
| MIL-DTL-83723 | I | 54 |
| MIL-DTL-83723 | III | 54 |
| NAS1599 | - | 54 |
| LITTON VEAM CIR | - | 64 |
| AB 05 | DEF. STD. 59-35 PART 1, SEC. 3 | 76 |
| PATT 121 | DEF. STD. 59-35 PART 1, SEC. 8 | 78 |

| ENTRY ORDER NO. | EMP BAND | | BOOT P/N REF |
|-----------------|-----------------------------|--------------------|--------------|
| | Z +.010 -.020 DIA. | W ±.010 DIA. | |
| 0 2 | .125 | .312 | N/A |
| 0 3 | .188 | .375 | 152-42-G-W24 |
| 0 4 | .250 | .438 | 152-42-G-W24 |
| 0 5 | .312 | .500 | 152-42-G-W24 |
| 0 6 | .375 | .562 | 152-42-G-W24 |
| 0 7 | .438 | .625 | 154-42-G-W24 |
| 0 8 | .500 | .688 | 154-42-G-W24 |
| 0 9 | .562 | .750 | 154-42-G-W24 |
| 1 0 | .625 | .812 | 154-42-G-W24 |
| 1 2 | .750 | .938 | 155-42-G-W24 |
| 1 3 | .812 | 1.000 | 156-42-G-W24 |
| 1 4 | .875 | 1.062 | 156-42-G-W24 |
| 1 6 | 1.000 | 1.188 | 156-42-G-W24 |
| 1 7 | 1.062 | 1.250 | 157-43-G-W24 |
| 1 8 | 1.125 | 1.312 | 157-43-G-W24 |
| 1 9 | 1.188 | 1.375 | 157-43-G-W24 |
| 2 0 | 1.250 | 1.438 | 157-43-G-W24 |
| 2 2 | 1.375 | 1.562 | 158-43-G-W24 |
| 2 3 | 1.438 | 1.625 | 158-43-G-W24 |
| 2 4 | 1.500 | 1.688 | 158-43-G-W24 |

PLATING CODE NUMBER

10 = PASSIVATE, PER SAE AMS-QQ-P-35 (MATERIAL=SST)
 12 = ZINC NICKEL, BLACK, PER ASTM B841 OVER ELECTROLESS NICKEL
 13 = ZINC COLBALT, OLIVE DRAB, PER ASTM B840-99
 55 = CADMIUM, OLIVE DRAB, PER SAE-AMSQQ-P-416, TYPE , CLASS 3, OVER ELECTROLESS NICKEL
 56 = ELECTROLESS NICKEL PER SAE-AMS-2404F, WITH IRIDITE CONVERSION
 FOR ADDITIONAL FINISH OPTIONS, SEE CATALOG TABLE 4.

LENGTH CODE NUMBER

SELECT LENGTH IN 1/4" INCREMENTS (ie; 08=2.00", 09=2.25", etc.)
 00 FOR 45° & 90° ADAPTERS (STYLES A & R)


| MIN. AVAIL. LENGTH | CONNECTOR CODES (TABLE I) |
|--------------------|---------------------------|
| 1.000 | 40, 41, 54, |
| 1.250 | 18, 21, 24, 76, 78 |
| 1.500 | 30, 64 |

TERMINATION NUMBER

1 = ADAPTER ONLY
 4 = ADAPTER w/ 1/4" EMP BAND (REF. 214L0002)
 5 = ADAPTER w/ 1/4" EMP BAND AND SHRINK BOOT (REF 214L0002)
 6 = ADAPTER w/ 1/8" EMP BAND AND SHRINK BOOT (REF 214L0005)
 7 = ADAPTER w/ 1/4" EMP BAND AND (REF 214L0006)
 8 = ADAPTER w/ 1/8" EMP BAND (REF. 214L0005)
 9 = ADAPTER w/ 1/4" EMP BAND AND SHRINK BOOT (REF 214L0006)
 CONSULT FACTORY FOR TERMINATION NUMBER NOT SHOWN




**TABLE II – CONNECTOR CODE 21
 MIL-C-26482, SERIES I**

| ORDER NO. | SHELL SIZE | <i>A</i> UNIFIED THD. CLASS 2B | <i>B</i> MAX. DIA. | <i>D</i> MAX. | <i>E</i> MAX. | <i>F</i> MAX. | <i>G</i> MAX. |  |
|-----------|------------|--------------------------------------|--------------------------|------------------|------------------|------------------|------------------|---|
| 0 8 | 8 | .438-28 | .703 | .62 | 1.15 | 1.00 | 1.38 | 0 4 |
| 1 0 | 10 | .562-24 | .827 | .63 | 1.17 | 1.13 | 1.44 | 0 6 |
| 1 2 | 12 | .688-24 | .953 | .66 | 1.20 | 1.25 | 1.50 | 0 8 |
| 1 4 | 14 | .812-20 | 1.077 | .69 | 1.23 | 1.38 | 1.56 | 1 0 |
| 1 6 | 16 | .938-20 | 1.203 | .71 | 1.25 | 1.50 | 1.63 | 1 2 |
| 1 8 | 18 | 1.062-18 | 1.327 | .74 | 1.26 | 1.63 | 1.69 | 1 4 |
| 2 0 | 20 | 1.188-18 | 1.453 | .76 | 1.29 | 1.75 | 1.75 | 1 6 |
| 2 2 | 22 | 1.312-18 | 1.577 | .79 | 1.32 | 1.88 | 1.81 | 1 8 |
| 2 4 | 24 | 1.438-18 | 1.703 | .82 | 1.34 | 2.00 | 1.88 | 2 0 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE

 4. WHEN ENTRY SIZE EXCEEDS CONNECTOR INSERT DIAMETER
 A STEP-UP CONFIGURATION WILL BE SUPPLIED.



**TABLE II – CONNECTOR CODE 40
 MIL-DTL-38999, SERIES III & IV**

| ORDER NO. | SHELL SIZE | | <i>A</i> METRIC THD. CLASS 6H | <i>B</i> MAX. DIA. | <i>D</i> MAX. | <i>E</i> MAX. | <i>F</i> MAX. | <i>G</i> MAX. | △ ₄ |
|-----------|------------|------|-------------------------------------|--------------------------|------------------|------------------|------------------|------------------|----------------|
| | COM'L. | MIL. | | | | | | | |
| 0 8 | 9 | A | M12 x 1.0 | .703 | .52 | .997 | .84 | 1.38 | 0 4 |
| 1 0 | 11 | B | M15 x 1.0 | .827 | .54 | 1.023 | .97 | 1.44 | 0 6 |
| 1 2 | 13 | C | M18 x 1.0 | .953 | .57 | 1.048 | 1.09 | 1.50 | 0 8 |
| 1 4 | 15 | D | M22 x 1.0 | 1.077 | .59 | 1.074 | 1.22 | 1.56 | 1 0 |
| 1 6 | 17 | E | M25 x 1.0 | 1.203 | .62 | 1.100 | 1.34 | 1.63 | 1 2 |
| 1 8 | 19 | F | M28 x 1.0 | 1.327 | .63 | 1.113 | 1.41 | 1.69 | 1 4 |
| 2 0 | 21 | G | M31 x 1.0 | 1.453 | .66 | 1.152 | 1.53 | 1.75 | 1 6 |
| 2 2 | 23 | H | M34 x 1.0 | 1.577 | .68 | 1.178 | 1.66 | 1.81 | 1 8 |
| 2 4 | 25 | J | M37 x 1.0 | 1.703 | .71 | 1.204 | 1.78 | 1.88 | 2 0 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE

△₄. WHEN ENTRY SIZE EXCEEDS CONNECTOR INSERT DIAMETER
 A STEP-UP CONFIGURATION WILL BE SUPPLIED.

5. ADAPTERS MEET AND/OR EXCEEDS PERFORMANCE REQUIREMENTS
 OF AS85049C CATEGORY 3B
6. INTERFACE PER AS85049 FIGURE 3.



**TABLE II – CONNECTOR CODE 41
 MIL-C-38999, SERIES I & II**

| ORDER NO. | SHELL SIZE | | <i>A</i> UNIFIED THD. CLASS 2B | <i>B</i> MAX. DIA. | <i>D</i> MAX. | <i>E</i> MAX. | <i>F</i> MAX. | <i>G</i> MAX. | △ 4. |
|-----------|------------|--------|--------------------------------------|--------------------------|------------------|------------------|------------------|------------------|---------|
| | SER. II | SER. I | | | | | | | |
| 0 8 | 8 | 9 | .438-28 | .703 | .52 | 1.15 | .84 | 1.38 | 0 4 |
| 1 0 | 10 | 11 | .562-24 | .827 | .54 | 1.17 | .97 | 1.44 | 0 6 |
| 1 2 | 12 | 13 | .688-24 | .953 | .57 | 1.20 | 1.09 | 1.50 | 0 8 |
| 1 4 | 14 | 15 | .812-20 | 1.077 | .59 | 1.23 | 1.22 | 1.56 | 1 0 |
| 1 6 | 16 | 17 | .938-20 | 1.203 | .62 | 1.25 | 1.34 | 1.63 | 1 2 |
| 1 8 | 18 | 19 | 1.062-18 | 1.327 | .63 | 1.26 | 1.41 | 1.69 | 1 4 |
| 2 0 | 20 | 21 | 1.188-18 | 1.453 | .66 | 1.29 | 1.53 | 1.75 | 1 6 |
| 2 2 | 22 | 23 | 1.312-18 | 1.577 | .68 | 1.32 | 1.66 | 1.81 | 1 8 |
| 2 4 | 24 | 25 | 1.438-18 | 1.703 | .71 | 1.34 | 1.78 | 1.88 | 2 0 |

NOTES: UNLESS OTHERWISE SPECIFIED

- ASSEMBLY IDENT. PER MIL-STD-1285.
- MATERIAL: COMPONENTS – ALUM. ALLOY OR SST
 O’RING – SILICONE

△
4. WHEN ENTRY SIZE EXCEEDS CONNECTOR INSERT DIAMETER
 A STEP-UP CONFIGURATION WILL BE SUPPLIED.



TABLE II – CONNECTOR CODE 54

MIL-C-26482, SERIES 2
 MIL-C-5015G, 3400 SERIES
 MIL-C-81703, SERIES 3
 MIL-C-83723, SERIES I & III
 NAS1599

| ORDER NO. | SHELL SIZE | | A UNIFIED THD. CLASS 2B | B MAX. DIA. | D MAX. | E MAX. | F MAX. | G MAX. | △4. |
|-----------|------------|-------------|-------------------------------|-------------------|-----------|-----------|-----------|-----------|-----|
| | △6. | △5. | | | | | | | |
| 0 3 | 3 | — | .562-24 | .71 | .55 | 1.15 | .84 | 1.38 | 0 4 |
| 0 8 | — | 8,8S | .500-20 | .71 | .55 | 1.15 | .84 | 1.38 | 0 4 |
| 1 0 | — | 10,10S,10SL | .625-24 | .78 | .57 | 1.17 | .97 | 1.44 | 0 6 |
| 1 2 | 7 | 12,12S | .750-20 | .90 | .60 | 1.20 | 1.09 | 1.50 | 0 8 |
| 1 4 | 12 | 14,14S | .875-20 | 1.03 | .61 | 1.21 | 1.22 | 1.56 | 0 9 |
| 1 6 | 19 | 16,16S | 1.000-20 | 1.15 | .64 | 1.24 | 1.34 | 1.63 | 1 2 |
| 1 8 | 27 | 18 | 1.062-18 | 1.23 | .65 | 1.25 | 1.34 | 1.63 | 1 2 |
| 2 0 | 37 | 20 | 1.188-18 | 1.36 | .68 | 1.28 | 1.47 | 1.69 | 1 4 |
| 2 2 | — | 22 | 1.312-18 | 1.48 | .70 | 1.30 | 1.59 | 1.75 | 1 6 |
| 2 4 | — | 24 | 1.438-18 | 1.61 | .73 | 1.33 | 1.72 | 1.81 | 1 8 |
| 2 8 | — | 28 | 1.750-18 | 1.99 | .78 | 1.38 | 1.97 | 1.88 | 2 4 |
| 3 2 | — | 32 | 2.000-18 | 2.24 | .83 | 1.43 | 2.22 | 2.00 | 2 4 |
| 3 6 | — | 36 | 2.250-16 | 2.49 | .86 | 1.46 | 2.34 | 2.13 | 2 4 |
| 4 0 | — | 40 | 2.500-16 | 2.74 | .91 | 1.51 | 2.59 | 2.25 | 2 4 |
| 4 4 | — | 44 | 2.750-16 | 2.99 | .96 | 1.56 | 2.84 | 2.38 | 2 4 |
| 4 8 | — | 48 | 3.000-16 | 3.24 | 1.01 | 1.61 | 3.09 | 2.50 | 2 4 |
| 6 1 | 61 | — | 1.500-18 | 1.67 | .74 | 1.34 | 1.78 | 1.88 | 1 9 |

NOTES: UNLESS OTHERWISE SPECIFIED

1. ASSEMBLY IDENT. PER MIL-STD-1285.
2. MATERIAL: COMPONENTS – ALUM. ALLOY OR SST

△3. O-RING NOT REQUIRED PER AS85049.

△4. WHEN ENTRY SIZE EXCEEDS CONNECTOR INSERT DIAMETER A STEP-UP CONFIGURATION WILL BE SUPPLIED.

△5. SIZES PER MIL-C-5015 (3400 SERIES), MIL-C-26482 (SERIES 2), MIL-C-83723

△6. (SERIES I & III), & NAS1599. SIZES PER MIL-C-81703, SERIES 3.



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)

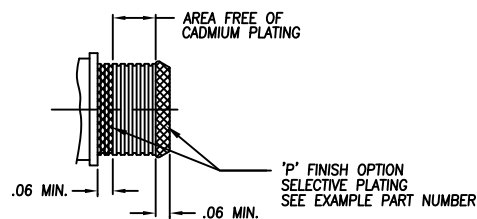


FIGURE 2



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 = ±.2
 - .XX = ±.12
 - .XXX = ± .062
 - X° = ±10°