

# QPL QUALIFIED AND COTS EQUIVALENT MIL-DTL-38999 Series III and IV



## Socket contact selection guide for environmental connectors

SERIES III AND IV CONTACTS AND TOOLS

| AS39029 Socket Power Contacts for 38999 Series III and IV |              |                    |                     |                    |                     |                    |                     |     |
|-----------------------------------------------------------|--------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|-----|
| Wire Size                                                 | Contact Size | M38039 Part Number | Glenair Part Number | Crimp Tools        |                     |                    |                     | BIN |
|                                                           |              |                    |                     | Crimper            |                     | Positioner         |                     |     |
|                                                           |              |                    |                     | M22520 Part Number | Glenair Part Number | M22520 Part Number | Glenair Part Number |     |
| #12 - #14                                                 | #12          | M39029/56-353      | 850-001-12-353      | M22520/1-01        | 809-136             | M22520/1-04        | 809-137             | 353 |
| #16 - #20                                                 | #16          | M39029/56-352      | 850-001-16-352      | M22520/1-01        | 809-136             | M22520/1-04        | 809-137             | 352 |
| #20 - #24                                                 | #20          | M39029/56-351      | 850-001-20-351      | M22520/2-01        | 809-015             | M22520/2-10        | K43 (Daniels)       | 351 |
| #22 - #28                                                 | #22D         | M39029/56-348      | 850-001-22-348      | M22520/2-01        | 809-015             | M22520/2-09        | K40 (Daniels)       | 348 |

| AS39029 Coax Socket Contacts for 38999 Series III and IV |              |                                                   |           |                                        |                                           |                                        |                                                       |     |
|----------------------------------------------------------|--------------|---------------------------------------------------|-----------|----------------------------------------|-------------------------------------------|----------------------------------------|-------------------------------------------------------|-----|
| Wire Size                                                | Contact Size | Socket Part Number<br>M39029 P/N<br>(Glenair P/N) | Coax Freq | Crimp Tools                            |                                           |                                        |                                                       | BIN |
|                                                          |              |                                                   |           | Inner Contact                          |                                           | Shield Crimp Sleeve                    |                                                       |     |
|                                                          |              |                                                   |           | Crimper<br>M22520 P/N<br>(Glenair P/N) | Positioner<br>M22520 P/N<br>(Glenair P/N) | Crimper<br>M22520 P/N<br>(Glenair P/N) | Hex Die/<br>Positioner<br>M22520 P/N<br>(Glenair P/N) |     |
| RG180                                                    | #8           | M39029/59-366<br>(852-006-08-366)                 | 700 MHz   | M22520/2-01<br>(809-015)               | M22520/2-31 (859-050)                     | M22520/5-01 (809-129)                  | M22520/5-05 (859-051)                                 | 366 |
| RG174, G316                                              | #12          | M39029/75-416 (852-003-12-416)                    | 700 MHz   | M22520/2-01<br>(809-015)               | M22520/2-34 (859-135)                     | M22520/31-01<br>(809-133)              | M22520/31-02<br>(809-134)<br>Positioner               | 416 |
| RG316                                                    | #12          | M39029/103-559<br>(852-005-12-559)                | 3GHz      | 809-128 (Glenair)<br>MH992 (Daniels)   | 859-006 (Glenair)<br>K1721 (Daniels)      | M22520/5-01<br>(809-129)               | M22520/5-03<br>(809-130)                              | 559 |

| AS39029 Concentric Twinax Socket Contacts for 38999 Series III and IV |              |                                                   |                                        |                                           |                                        |                                        |                                            |                                        |     |
|-----------------------------------------------------------------------|--------------|---------------------------------------------------|----------------------------------------|-------------------------------------------|----------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------|-----|
| Wire Size                                                             | Contact Size | Socket Part Number<br>M39029 P/N<br>(Glenair P/N) | Crimp Tools                            |                                           |                                        |                                        |                                            |                                        | BIN |
|                                                                       |              |                                                   | Center Contact                         |                                           | Intermediate Contact                   |                                        | Shield Crimp Sleeve                        |                                        |     |
|                                                                       |              |                                                   | Crimper<br>M22520 P/N<br>(Glenair P/N) | Positioner<br>M22520 P/N<br>(Glenair P/N) | Crimper<br>M22520 P/N<br>(Glenair P/N) | Hex Die<br>M22520 P/N<br>(Glenair P/N) | Crimper<br>AS22520 P/N<br>(Glenair P/N)    | Hex Die<br>M22520 P/N<br>(Glenair P/N) |     |
| M17/176-00002 and Raychem 10612                                       | #8           | M39029/91-530<br>(853-002-08-530)                 | (M22520/2-01)<br>809-015               | (M22520/2-37)<br>809-240                  | (M22520/5-01)<br>809-129               | (M22520/5-105)<br>859-048              | (M22520/5-01)<br>809-129                   | (M22520/5-105)<br>859-048              | 530 |
|                                                                       | #12          | 02003-926<br>(853-009-1)                          | 809-128<br>(MH992 DMC)                 | 859-125<br>(K1365 DMC)                    | 859-126<br>(GS212 DMC)                 | 859-127<br>(GP1437 DMC)                | M22520/31-01<br>(809-133)<br>(GS200-1 DMC) | 859-128<br>(GP959 DMC)                 | 926 |

| BIN Color Coding |            |          |             |             |            |           |             |           |            |
|------------------|------------|----------|-------------|-------------|------------|-----------|-------------|-----------|------------|
| 0<br>BLACK       | 1<br>BROWN | 2<br>RED | 3<br>ORANGE | 4<br>YELLOW | 5<br>GREEN | 6<br>BLUE | 7<br>VIOLET | 8<br>GREY | 9<br>WHITE |