

Teledyne / Cougar Cross Reference List

| Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control |
|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|
| AC105 | TM7105 | AC540 | TM5101 | AC1063 | TM9163 | AC2092 | TM9092 |
| AP108 | TM6108 | AC541 | TM5110 | AC1066 | TM9366 | AC2348 | TM9748 |
| AP148 | TM6148 | AC542 | TM6147 | AC1068 | TM9368 | AC2366 | TM9343 |
| AC251 | TM7570 | AC543 | TM6543 | AC1069 | TM9369 | AC2426 | TM9342 |
| AC262 | TM9262 | AC544 | TM6544 | AC1082 | TM9107 | AP2509 | TM9759 |
| AC263 | TM9263 | AC545 | TM6645 | AR1094 | TM9794 | AC2546 | TM9546 |
| AC271 | TM7270 | AC547 | TM6557 | AC1215 | TM7215 | AC2564 | TM9704 |
| AC272 | TM7172 | AC548 | TM6547 | AC1218 | TM9340 | AC2577 | TM9777 |
| AC273 | TM7370 | AC555 | TM6416 | AC1219 | TM9339 | AC2578 | TM9345 |
| AC281 | TM7481 | AC556 | TM6576 | AC1226 | TM9337 | AR2584 | TM9784 |
| AC282 | TM7182 | AC557 | TM6516 | AC1228 | TM9344 | AP3007 | TM9307 |
| AC293 | TM7193 | AC558 | TM6545 | AC1264 | TM9164 | AP3008 | TM9308 |
| AP294 | TM7294 | AC559 | TM6655 | AC1266 | TM9166 | AP3009 | TM9309 |
| AC305 | TM7147 | AP561 | TM6661 | AC1269 | TM9269 | AP3028 | QBH-4028 |
| AC345 | TM7145 | AC564 | TM6664 | AP1309 | TM9769 | AC3056 | TM9356 |
| AC347 | TM7347 | AC566 | TM6524 | AC1523 | TM9523 | AR3056 | TR9156 |
| AP348 | TM7148 | AC572 | TM6520 | AC1525 | TM9225 | AC3057 | TM9057 |
| AR356 | TR7256 | AC573 | TM6573 | AC1526 | TM9126 | AC3064 | TM9064 |
| AC378 | TM7278 | AC575 | TM6575 | AC1527 | TM9127 | AR3069 | QBH-4037 |
| AC379 | TM7279 | AC576 | TM6276 | AC1528 | TM9128 | AP3509 | TM9509 |
| AC380 | TM7381 | AC577 | TM6577 | AC1529 | TM9329 | AC3547 | TM9547 |
| AC381 | TM7281 | AC580 | TM6517 | AP1532 | TM9785 | AR3569 | TR9569 |
| AC382 | TM7282 | AC581 | TM6581 | AC1569 | TM7569 | AC3579 | TM9579 |
| AC383 | TM6683 | AC582 | TM6582 | AC1582 | TM9328 | AR4029 | TR9429 |
| AC386 | TM7386 | AC583 | TM6583 | AC1586 | TM9524 | AC4041 | TM9441 |
| AP388 | TM7388 | AP719 | TM9019 | AP2008 | TM9708 | AC4045 | TM9445 |
| AP389 | TM7189 | AC751 | TM9751 | AP2009 | TM9709 | AP4048 | TM9448 |
| AC391 | TM7291 | AC829 | TM6345 | AC2017 | TM9317 | AR4048 | TR9048 |
| AC437 | TM6587 | AC838 | TM9183 | AC2023 | TM9322 | AC4054 | TM9454 |
| AP448 | TM6448 | AC847 | TM9147 | AC2025 | TM9314 | AC4056 | TM9456 |
| AC453 | TM6443 | AC848 | TM9148 | AC2034 | TM9134 | AC4064 | TM9464 |
| AC457 | TM6444 | AC936 | TM9192 | AR2036 | TM9036 | AC4066 | TM9066 |
| AC487 | TM6487 | AC986 | TM9186 | AC2037 | TM9137 | AC4079 | TM9479 |
| AC501 | TM6501 | AC1012 | TM9102 | AC2038 | TM9138 | AC4086 | TM9486 |
| AC505 | TM6505 | AC1017 | TM9117 | AC2039 | TM9139 | AC4088 | TM9488 |
| AC508 | TM6558 | AC1018 | TM9118 | AC2046 | TM9146 | AS4221 | TN9421 |
| AC509 | TM6509 | AC1019 | TM9319 | AC2056 | TM9056 | AC6066 | QBH-5729 |
| AC513 | TM6675 | AC1022 | TM9311 | AC2058 | TM9728 | GC2001 | TG9001 |
| AC514 | TM6614 | AC1035 | TM9335 | AC2066 | TM9266 | GC2530 | TG9030 |
| AC518 | TM6526 | AC1036 | TM9113 | AR2066 | TM9466 | LA507 | TML9002 |
| AC519 | TM6619 | AC1038 | TM9338 | AR2067 | TM9067 | LA1017 | TML9017 |
| AC524 | TM6574 | AC1054 | TM9325 | AC2075 | TM9725 | LC1501 | TL9013 |
| AC525 | TM6645 | AP1059 | TM9359 | AC2078 | TM9778 | LC1502 | TL9014 |
| AC536 | TM6654 | AP1060 | TM9360 | AC2091 | TM9091 | LG2001 | TL9003 |
| ACP16016 | BXHF1106 | ACP18605 | BXHF1123 | A2CP12024 | BXHF1141 | A2CP6239 | BXHF1158 |
| ACP16021 | BXHF1107 | ACP18606 | BXHF1124 | A2CP12026 | BXHF1142 | AS7004 | BXHF1159 |
| ACP16025 | BXHF1108 | ACP18609 | BXHF1125 | A2CP12028 | BXHF1143 | ACP7019 | BXHF1160 |

Master Cross Reference Sheet

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| Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control | Teledyne Cougar | Spectrum Control |
|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| A2CP16212 | BXHF1109 | ACP18610 | BXHF1126 | A2CP12029 | BXHF1144 | A3CP7029 | BXHF1161 |
| A2CP16216 | BXHF1110 | A2CP18615 | BXHF1127 | ACP14012 | BXHF1145 | AS8002 | BXHF1162 |
| A2CP16221 | BXHF1111 | A2CP18620 | BXHF1128 | ACP14016 | BXHF1146 | ACP8017 | BXHF1163 |
| A2CP16225 | BXHF1112 | A2CP18625 | BXHF1129 | ACP14021 | BXHF1147 | A3CP8027 | BXHF1164 |
| ACP17149 | BXHF1113 | A2CP18629 | BXHF1130 | ACP14025 | BXHF1148 | ACP8036 | BXHF1165 |
| ACP18012 | BXHF1114 | ACP20012 | BXHF1131 | ACP14029 | BXHF1149 | ACP8037 | BXHF1166 |
| ACP18015 | BXHF1115 | ACP20015 | BXHF1132 | A2CP14212 | BXHF1150 | ACP8039 | BXHF1167 |
| ACP18021 | BXHF1116 | ACP20215 | BXHF1133 | A2CP14216 | BXHF1151 | A3CP8048 | BXHF1168 |
| ACP18025 | BXHF1117 | ACP11039 | BXHF1134 | A2CP14221 | BXHF1152 | A3CP8049 | BXHF1169 |
| A2CP18212 | BXHF1118 | A2CP11039 | BXHF1135 | A2CP14225 | BXHF1153 | | |
| A2CP18216 | BXHF1119 | A2CP11049 | BXHF1136 | A2CP14229 | BXHF1154 | | |
| A2CP18221 | BXHF1120 | ACP12013 | BXHF1137 | A2CP14639 | BXHF1155 | | |
| A2CP18225 | BXHF1121 | ACP12015 | BXHF1138 | A2CP6120 | BXHF1156 | | |
| ACP18603 | BXHF1122 | ACP12017 | BXHF1139 | PSA-6232 | BXHF1157 | | |

Master Cross Reference Sheet

Teledyne / Cougar (Avantek) Cross Reference List

| Teledyne Cougar (Avantek) | Spectrum Control | Teledyne Cougar (Avantek) | Spectrum Control | Teledyne Cougar (Avantek) | Spectrum Control | Teledyne Cougar (Avantek) | Spectrum Control |
|---------------------------|------------------|---------------------------|------------------|---------------------------|------------------|---------------------------|------------------|
| AFC330 | TKG9330 | UTC11-102 | BX1559-4 | UTO504 | TM6704 | UTO1006 | TM9106 |
| AGC553 | TMG9553 | UTC11-108 | BX1558-4 | UTO505 | TM6705 | UTO1007 | TM9107 |
| GPD110 | CZ8110 | UTC12-104 | BX2531-4 | UTO507 | TM6507 | UTO1011 | TM9111 |
| GPD120 | CZ8120 | UTD2001 | TMJ9901 | UTO509 | TM6509 | UTO1012 | TM9312 |
| GPD130 | CZ8130 | UTD2002 | TMJ9902 | UTO510 | TM6510 | UTO1013 | TM9313 |
| GPD201 | CZ8201 | UTD2004 | TMJ9904 | UTO511 | TM6511 | UTO1023 | QBH-1423 |
| GPD202 | CZ8202 | UTD1000 | TMJ9910 | UTO512 | TM6512 | UTO1024 | QBH-1424 |
| GPD251 | CZ8251 | UTF015 | TG9015 | UTO513 | TM6513 | UTO1033 | TM9333 |
| GPD310 | CZ8310 | UTF025 | TG9025 | UTO514 | TM6514 | UTO1043 | TM9143 |
| GPD320 | CZ8320 | UTF030 | TG9030 | UTO515 | TM6515 | UTO1044 | TM9144 |
| GPD330 | CZ8330 | UTL502 | TML9052 | UTO516 | TM6516 | UTO1502 | TM9502 |
| GPD401 | CZ8401 | UTL503 | TML9053 | UTO517 | TM6517 | UTO1522 | TM9522 |
| GPD402 | CZ8402 | UTO101 | TM7101 | UTO518 | TM6518 | UTO1524 | TM9524 |
| GPD403 | CZ8403 | UTO102 | TM7102 | UTO519 | TM6519 | UTO2012 | TM9712 |
| GPD404 | CZ8404 | UTO103 | TM7103 | UTO520 | TM6520 | UTO2013 | TM9713 |
| GPD405 | CZ8405 | UTO104 | TM7104 | UTO521 | TM6521 | UTO2022 | TM9322 |
| GPD461 | CZ8461 | UTO111 | TM7111 | UTO523 | TM6523 | UTO2023 | TM9323 |
| GPD462 | CZ8462 | UTO210 | TM7210 | UTO524 | TM6524 | UTO2024 | TM9324 |
| GPD463 | CZ8463 | UTO211 | TM7211 | UTO526 | TM6526 | UTO2025 | TM9725 |
| GPD464 | CZ8464 | UTO221 | TM7221 | UTO533 | TM6533 | UTO2027 | TM9327 |
| GPM1052 | CZ8052 | UTO222 | TM7222 | UTO543 | TM6543 | UTO2052 | TM9352 |
| PPD2001 | LNJ9901 | UTO250 | TM7250 | UTO544 | TM6544 | UTO2055 | TM9355 |
| PPD6002 | PLJ9962 | UTO416 | TM6416 | UTO545 | TM6545 | UTO2302 | TM9302 |
| PPL504 | ENL9654 | UTO421 | TM6421 | UTO546 | TM6546 | UTO2321 | TM6321 |
| UDL502 | TDL9552 | UTO440 | TM6440 | UTO547 | TM6547 | | |
| UTC5-115 | BX2530-4 | UTO441 | TM6441 | UTO549 | TM6549 | | |
| UTC5-123 | BX1556-4 | UTO442 | TM6442 | UTO552 | TM6152 | | |
| UTC5-133 | BX1557-4 | UTO443 | TM6443 | UTO554 | TM6654 | | |
| UTC5-135 | BX2529-4 | UTO444 | TM6444 | UTO561 | TM6561 | | |
| UTC5-142 | BX2532-4 | UTO501 | TM6601 | UTO1001 | TM9101 | | |
| UTC5-150 | BX2532-4 | UTO502 | TM6605 | UTO1002 | TM9102 | | |
| UTC5-152 | BX1560-4 | UTO503 | TM6603 | UTO1005 | TM9105 | | |

Master Cross Reference Sheet

M/A-Com (Phoenix Microwave) Cross Reference List

| M/A-Com | Spectrum Control | M/A-Com | Spectrum Control | M/A-Com | Spectrum Control | M/A-Com | Spectrum Control |
|---------|------------------|---------|------------------|---------|------------------|----------|------------------|
| PA002 | TM7302 | PA350 | TM4350 | PA820 | TM7282 | PA964 | TM4164 |
| PA005 | TM6505 | PA360 | TM9136 | PA860 | TM7286 | PA965 | TM6147 |
| PA10 | TM5110 | PA370 | TM9137 | PA861 | TM9313 | PA966 | TM7966 |
| PA010 | TM6511 | PA380 | TM9180 | PA870 | TM6587 | PA967 | TM4767 |
| PA015 | TM9717 | PA381 | TM9381 | PA871 | TM6487 | PA968 | TM4768 |
| PA030 | TM6530 | PA390 | TM9139 | PA890 | TM4190 | PA969 | TR4769 |
| PA050 | TM6550 | PA510 | TM5107 | PA891L | TR6689 | PA970 | TM4770 |
| PA055 | TM7055 | PA530 | TM6143 | PA899 | TM6599 | PA971 | TM4771 |
| PA056 | TM7056 | PA540 | TM6554 | PA902 | TM6509 | PA972 | TM4172 |
| PA100 | TM9716 | PA550 | TM6555 | PA903 | TM5103 | PA973 | TM4773 |
| PA110 | TM9110 | PA560 | TM6556 | PA905 | TM5101 | PA973A | TM4773A |
| PA112 | TM9311 | PA570 | TM5126 | PA906 | TM4106 | PA974 | TR4174 |
| PA120 | TM9112 | PA580 | TM7580 | PA907 | TM9707 | PA975 | TM5102 |
| PA150 | TM9102 | PA590 | TM6559 | PA908 | TM6508 | PA976 | TM4176 |
| PA162 | TM9316 | PA591 | TM6659 | PA909 | TM4709 | PA977 | TM4977 |
| PA170 | TM9117 | PA630 | TM9163 | PA910 | TM5119 | PA978 | TM9366 |
| PA177 | TR4777 | PA640 | TM9164 | PA912 | TM4112 | PA979 | TM4179 |
| PA179 | TR4779 | PA650 | TM9165 | PA914 | TM6547 | PA984 | TR4784 |
| PA180 | TM9118 | PA660 | TM4760 | PA915 | TM6522 | PA985 | TM4185 |
| PA181 | TM9318 | PA661 | TM6261 | PA916 | TM9706 | PA987 | TM4187 |
| PA190 | TM9790 | PA663 | TM9306 | PA918 | TM7918 | PA988 | TM4188 |
| PA191 | TM9191 | PA670 | TM9167 | PA919 | TM7919 | PA989 | TR9189 |
| PA195 | TR4795 | PA671 | TM6667 | PA920 | TM6519 | PA990 | TM4990 |
| PA196 | TR4796 | PA702 | TM6670 | PA923 | TM6345 | PA992 | TR4792 |
| PA197 | TR4797 | PA703 | TM7370 | PA924 | TM4124 | PA1005 | TM9705 |
| PA198 | TR4798 | PA710 | TM7271 | PA925 | TM4125 | PA1007 | TM4707 |
| PA211 | TM9181 | PA720 | TM6572 | PA926 | TM5124 | PA1017 | TR4717 |
| PA219 | TM6719 | PA740 | TM6521 | PA928 | TM9528 | PA1028 | TR6128 |
| PA239 | TR4739 | PA741 | TM7274 | PA929 | TM9729 | PA1038 | TM4138 |
| PA240 | TM9124 | PA750 | TM6575 | PA943 | TM6524 | PA1046 | TM7102 |
| PA250 | TM9502 | PA752 | TM7275 | PA946 | TM9170 | PA1056 | TR4756 |
| PA251 | TM4151 | PA753 | TM6675 | PA952 | TM6752 | PA1059MI | TM7186 |
| PA260 | TM9126 | PA760 | TM6576 | PA953 | TR4753 | PA1060 | TR4760 |
| PA270 | TM9127 | PA770 | TM6577 | PA955 | TR9155 | PA1082 | TM4782 |
| PA278 | TR4778 | PA771 | TM6571 | PA957 | TM4157 | PLA070 | TML9002 |
| PA280 | TM9128 | PA778 | TM6178 | PA958 | TR4758 | PLA101 | TML4001 |
| PA290 | TM9329 | PA700 | TM7200 | PA959 | TR4759 | PPA557 | PN6198 |
| PA291 | TM9391 | PA701 | TM7270 | PA960 | TM9166 | | |
| PA330 | TM9330 | PA780 | TM7278 | PA961 | TR4761 | | |
| PA340 | TM9134 | PA790 | TM7279 | PA963 | TM4163 | | |

Master Cross Reference Sheet

M/A-Com (Watkins Johnson) Cross Reference List

| M/A-Com (Watkins-Johnson) | Spectrum Control | M/A-Com (Watkins-Johnson) | Spectrum Control | M/A-Com (Watkins-Johnson) | Spectrum Control | M/A-Com (Watkins-Johnson) | Spectrum Control |
|---------------------------|------------------|---------------------------|------------------|---------------------------|------------------|---------------------------|------------------|
| A1 | TM6501 | A32-1 | TM9732 | A67-1 | TM6667 | A86 | TM7286 |
| A3 | TM6503 | A33 | TM9133 | A70 | TM7170 | A87 | TM6587 |
| A5 | TM6505 | A34 | TM9134 | A70-1 | TM7270 | A87-1 | TM6487 |
| A5-5 | TM6605 | A35 | TM9135 | A70-3 | TM7370 | A88 | TM6588 |
| A7 | TM6607 | A36 | TM9136 | A71 | TM7271 | AL7 | TL9012 |
| A9 | TM6609 | A36-1 | TM9336 | A70-2 | TM6670 | A87-2 | TM7287 |
| A11 | TM9111 | A36-2 | TM9236 | A72 | TM6572 | G1 | TG9001 |
| A11-2 | TM9311 | A37 | TM9137 | A73 | TM6573 | G2 | TG9022 |
| A12 | TM9112 | A38 | TM9138 | A74 | TM6574 | G30 | TG9030 |
| A13 | TM9113 | A39 | TM9139 | A74-1 | TM7274 | L1 | TL9010 |
| A16-2 | TM9316 | A45 | TM9745 | A74-2 | TM6674 | L2 | TL9011 |
| A17 | TM9117 | A45-1 | TM9541 | A75 | TM6575 | LA7 | TML9002 |
| A18 | TM9118 | A54 | TM6554 | A75-2 | TM7275 | LA17 | TML9017 |
| A18-1 | TM9318 | A55 | TM6555 | A75-3 | TM6675 | LA88 | TML9088 |
| A19 | TM9119 | A56 | TM6556 | A76 | TM6576 | LG1 | TML9003 |
| A19-1 | TM9319 | A57 | TM6557 | A77 | TM6577 | LG30 | TML9009 |
| A23 | TM9123 | A58 | TM6558 | A77-1 | TM6677 | RA89-1 | TR6689 |
| A24 | TM9124 | A59 | TM6559 | A78 | TM7278 | PA3 | TM6203 |
| A25 | TM9125 | A59-1 | TM6659 | A79 | TM7279 | PA12 | TM6212 |
| A25-1 | TM9325 | A63 | TM9163 | A81 | TM7281 | PA15 | TM9723 |
| A26 | TM9126 | A63-1 | TM9363 | A81-1 | TM7381 | PA37 | TR9737 |
| A27 | TM9127 | A64 | TM9164 | A81-2 | TM6581 | PA38 | TM6238 |
| A28 | TM9128 | A65 | TM9165 | A81-3 | TM6681 | PA48 | TM9248 |
| A28-2 | TM9328 | A66 | TM9166 | A82 | TM7282 | RA36 | TR9536 |
| A29 | TM9129 | A66-1 | TM9366 | A82-1 | TM7382 | RA66 | TR9666 |
| A29-1 | TM9329 | A66-3 | TM9566 | A83 | TM6583 | RA69 | TR9169 |
| A31-1 | TM9331 | A67 | TM9167 | A83-1 | TM6683 | RA76 | TR6676 |
| A32 | TM9132 | | | | | RA89 | TR6589 |

M/A-Com (Anzac) Cross Reference List

| M/A-Com (Anzac) | Spectrum Control | M/A-Com (Anzac) | Spectrum Control | M/A-Com (Anzac) | Spectrum Control | M/A-Com (Anzac) | Spectrum Control |
|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| AMC103 | TM6103 | AM143 | TM6143 | AM157 | TM6157 | AMC123 | BX6131 |
| AM112 | TM6112 | AM145 | TM6145 | AM162 | TM6162 | AMC183 | TM6183 |
| AM117 | TM6117 | AM146 | FP6146 | AM171 | TM6171 | AM184 | TM6184 |
| AM119 | TM6119 | AM147 | TM6147 | AM176 | TM6176 | AT101 | FPG9101 |
| AM124 | TM6124 | AM149 | TM6149 | AM181 | TM6181 | | |
| AM131 | TM6131 | AM153 | TM6153 | AM191 | TM6191 | | |
| AM134 | FP6134 | AM155 | TM6155 | AM210 | TM6210 | | |

Master Cross Reference Sheet

RFMD (Vari-L) VCO Cross Reference List

| RFMD (Vari-L) | Spectrum Control | RFMD (Vari-L) | Spectrum Control | RFMD (Vari-L) | Spectrum Control | RFMD (Vari-L) | Spectrum Control |
|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|
| VCO102 | TOM9300 | VCO106 | TOM9309 | VCO114 | TOM9114 | VCO118 | TOM9118 |
| VCO104 | TOM9303 | VCO108 | TOM9108 | VCO116 | TOM9304 | | |
| VCO105 | TOM9305 | VCO113 | TOM9301 | VCO117 | TOM9307 | | |

Motorola Cross Reference List

| Motorola | Spectrum Control | Motorola | Spectrum Control | Motorola | Spectrum Control | Motorola | Spectrum Control |
|----------|------------------|----------|------------------|----------|------------------|----------|------------------|
| MWA110 | CZ8110 | MWA210 | CZ8210 | MWA310 | CZ8310 | CA2810 | QBH-2810 |
| MWA120 | CZ8120 | MWA220 | CZ8220 | MWA320 | CZ8320 | CA2818 | QBH-2818 |
| MWA130 | CZ8130 | MWA230 | CZ8230 | MWA330 | CZ8330 | CA2832 | QBH-2832-04 |

M/A-Com (Anzac) Switch Cross Reference List

| M/A-Com | Spectrum Control | M/A-Com | Spectrum Control | M/A-Com | Spectrum Control | M/A-Com | Spectrum Control |
|---------|------------------|---------|------------------|---------|------------------|---------|------------------|
| SW203 | TWK2203 | SW217 | TWD2217 | SW241 | TWD2241 | SW255 | TWD2255 |
| SW204 | TWP2204 | SW218 | TWD2218 | SW242 | TWD2242 | SW257 | TWD2257 |
| SW205 | TWD2205 | SW219 | TWP2219 | SW244 | TWD2244 | SW258 | TWD2258 |
| SW206 | TWD2206 | SW224 | TWK2224 | SW245 | TWD2245 | SW261 | TWP2261 |
| SW209 | TWP2209 | SW231 | TWP2231 | SW247 | TWP2247 | SW262 | TWP2262 |
| SW213 | TWK2213 | SW232 | TWP2232 | SW248 | TWP2248 | SW264 | TWP2264 |
| SW214 | TWP2214 | SW233 | TWP2233 | SW251 | TWP2251 | SW265 | TWP2265 |
| SW215 | TWD2215 | SW234 | TWP2234 | SW252 | TWP2252 | SW278 | TWN2278 |
| SW216 | TWD2216 | SW238 | TWP2238 | SW254 | TWD2254 | | |