



NSGDatacom

**COAXIAL AND TWINAXIAL
PATCHING
PRODUCT LINE**

COAXIAL AND TWINAXIAL PATCHING

In the early 1960's NSGDatacom's DYNETCOM introduced it's video patch jacks under the name of Cooke Engineering. For over the past 40 years DYNETCOM'S video patch jacks have been in use in many of the commercial Television and Radio stations through out the world. As well, in many governmental and private radar transmission and receiving stations around the world. They are located where any coax or twinax cable and equipment may be used.

Coaxial patch jacks are designed to be used with any type of equipment operating over coaxial cable. This includes video signals, (television and radar), radio frequency signals up to 50 watts continuous power or 1,000 watts pulsed power, local area networks, data communications, audio frequency signals, and control signals up to 5 amperes.

Twinaxial patch jacks are frequently used in testing laboratories, analog and digital transmission , video distribution, and secure communications. The balanced line twinaxial cable provides improved protection against electro-magnetic interference.

Both the coaxial and twinaxial patch jacks are available with normal-through feature. This feature provides an internal path through the jack from the source to the load. When a patch is required and a patch cord is inserted the normal through path will be broken. In addition the patch jacks come with internal resistors to automatically provide the necessary termination for the source signal when the patch is made. Also, both jacks offer monitoring without breaking the normal-through connection of the jack. This is accomplished with using a test probe patch cord that is inserted into jack which neither opens the the normal-through path or switches in the terminating resistor.

**TWINAXIAL PATCH
JACKS, PANELS, &
CORDS**

TWINAXIAL PATCH JACKS

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| <p>2170040001 2170040002 2170040003 2170040004</p> | | <p>20T/135 TWINTERM JACK 135 OHM 20T/98 TWINTERM JACK 98 OHM 20T/124 TWINTERM JACK 124 OHM 20T/78 TWINTERM JACK 78 OHM</p> | <p>The TWINTERM 20T is a normal-through/self terminating patch jack. The source signal is brought through the jack and applied to the load. When a patch cord is inserted , the normal-through is opened , the patch signal is applied to the patch cord and the unused signal path is terminated. This patch jack is available with 78, 98, 124, and 135 ohm terminating resistors.</p> |
| <p>2170020001</p> | | <p>20B TWINJAX JACK</p> | <p>The TWINJAX 20B is a normal-through patch jack. The source signal is brought through the jack and applied to the load. When a patch cord is inserted , the normal-through is opened , the patch signal is applied to the patch cord. This jack does not provide termination of the unused signal path.</p> |
| <p>2170010001 2170010002 2170010003 2170010004</p> | | <p>20A/135 TWINPATCH JACK 135 OHM 20A/98 TWINPATCH JACK 98 OHM 20A/124 TWINPATCH JACK 124 OHM 20A/78 TWINPATCH JACK 78 OHM</p> | <p>The TWINPATCH 20A is a normally terminated patch jack, providing conventional patch access to two separate signal sources. When a patch cord is inserted in to jack, the terminating resistor is switched out and the source signal is connected to the patch cord and the unused signal path is terminated. This patch jack is available with 78, 98, 124, and 135 ohm terminating resistors.</p> |
| <p>2170060001</p> | | <p>20A TWINPATCH</p> | <p>The TWINPATCH 20 is dual jack providing convenient patch access for test equipment, trunk lines, or other twinaxial equipment. It does not provide a normal-through path or self terminate.</p> |

TWINAXIAL PANELS

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| 2061000001 2058010001 | | 152-21-20 1U PHENOLIC PANEL 152-23-20 2U PHENOLIC PANEL | Phenolic mounting panels come in 1¼" (1U) or 3½" (2U) in height and 19" wide for standard rack mounting. Each panel can hold up to 20 of any one type or combination of TWINTERM, TWINJAX, or TWINPATCH jacks. |
| 2060000001 2062000001 | | 152-20-20 1U ALUMINUM PANEL 152-22-20 2U ALUMINUM PANEL | Aluminum mounting panels come in 1¼" (1U) or 3½" (2U) in height and 19" wide for standard rack mounting. Each panel can hold up to 20 of any one type or combination of TWINTERM, TWINJAX, or TWINPATCH jacks. |

TWINAXIAL PATCH CORDS

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| 291001010Y 291001020Y 291001030Y 291001040Y | | 152-10/78-Y PATCH CORD 152-10/98-Y PATCH CORD 152-10/124-Y PATCH CORD 152-10/135-Y PATCH CORD | <p>Standard single channel patch cord. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed.</p> |
| 291002010Y 291002020Y 291002030Y 291002040Y | | 152-11/78-Y PATCH CORD 152-11/98-Y PATCH CORD 152-11/124-Y PATCH CORD 152-11/135-Y PATCH CORD | <p>Patch cord with test points for monitoring patch circuits. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed.</p> |
| 291003010Y 291003020Y 291003030Y 291003040Y | | 152-15/78-Y DUPLEX PATCH CORD 152-15/98-Y DUPLEX PATCH CORD 152-15/124-Y DUPLEX PATCH CORD 152-15/135-Y DUPLEX PATCH CORD | <p>Duplex patch cord. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed.</p> |
| 2910089010 | | PATCH CORD END SET | <p>Cable end set contains one standard patch end assembly and one ferrule to allow customer to make custom cables.</p> |

TWINAXIAL TEST PROBE CORDS

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|--|--|--|---|
| 291000010Y 291000020Y 291000030Y 291000040Y | | 152-12/78-Y TEST PROBE CORD 152-12/98-Y TEST PROBE CORD 152-12/124-Y TEST PROBE CORD 152-12/135-Y TEST PROBE CORD | Test probe on one end and a polarized twinaxial connector on the other end. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed. |
| 291300000Y 291301000Y 291302000Y 291303000Y | | 152-13/78-Y TEST PROBE CORD 152-13/98-Y TEST PROBE CORD 152-13/124-Y TEST PROBE CORD 152-13/135-Y TEST PROBE CORD | Test probe on one end and a twinaxial concentric connector on the other end. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed. |
| 291400000Y 291401000Y 291402000Y 291403000Y | | 152-14/78-Y TEST PROBE CORD 152-14/98-Y TEST PROBE CORD 152-14/124-Y TEST PROBE CORD 152-14/135-Y TEST PROBE CORD | Test probe on one end and a standard patch connector on the other end. This patch cord is available in 78, 98, 124, and 135 ohm cable for patching jacks with the same terminating resistance. Y= footage needed. |
| 2910089020 | | TEST PROBE CABLE END SET | Cable end set contains one test probe end assembly and one ferrule to allow customer to make custom cables. |

COAXIAL PATCH JACKS, PANELS, & CORDS

COAXIAL PATCH JACKS

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| <p>2169030001 2169030002 2169030003</p> | | <p>22T/75 COTERM JACK 75 OHM 22T/50 COTERM JACK 50 OHM 22T/93 COTERM JACK 93 OHM</p> | <p>The COTERM® 22T is a normal-through/self terminating patch jack. The source signal is brought through the jack and applied to the load. When a patch cord is inserted , the normal-through is opened , the patch signal is applied to the patch cord and the unused signal path is terminated. This patch jack is available with 50, 75 and 93 ohm terminating resistors.</p> |
| <p>2169020001</p> | | <p>22B COJAX JACK</p> | <p>The COJAX 22B is a normal-through patch jack. The source signal is brought through the jack and applied to the load. When a patch cord is inserted , the normal-through is opened , the patch signal is applied to the patch cord. This jack does not provide termination of the unused signal path.</p> |
| <p>2169010001 2169010002 2169010003</p> | | <p>2-2A/75 COPATCH JACK 75 OHM 2-2A/50 COPATCH JACK 50 OHM 2-2A/93 COPATCH JACK 93 OHM</p> | <p>The COPATCH 2-2A is a normally terminated patch jack, providing conventional patch access to two separate signal sources. When a patch cord is inserted into the jack, the terminating resistor is switched out and the source signal is connected to the patch cord and the unused signal path is terminated. This patch jack is available with 50, 75, and 93 ohm terminating resistors.</p> |
| <p>2169010001</p> | | <p>2-2 COPATCH JACK</p> | <p>The COPATCH 2-2 is dual jack providing convenient patch access for test equipment, trunk lines, or other twinaxial equipment. It does not provide a normal-through path or self- terminate.</p> |

COAXIAL PANELS

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| 2070020022 2070000022 | | 105-114-22 1U PHENOLIC PANEL 105-112-22 2U PHENOLIC PANEL | Phenolic mounting panels come in 1¼" (1U) or 3½" (2U) in height and 19" wide for standard rack mounting. Each panel can hold up to 22 of any one type or combination of COTERM®, COJAX, or COPATCH jacks. |
| 2070010022 2070030022 | | 105-113-22 1U ALUMINUM PANEL 105-115-22 2U ALUMINUM PANEL | Aluminum mounting panels come in 1¼" (1U) or 3½" (2U) in height and 19" wide for standard rack mounting. Each panel can hold up to 22 of any one type or combination of COTERM®, COJAX, or COPATCH jacks. |

COAXIAL PATCH CORDS

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|---|--|--|---|
| 292100010Y 292100020Y 292100030Y | | 105-057/50-Y PATCH CORD 105-057/75-Y PATCH CORD 105-057/93-Y PATCH CORD | <p>Standard single channel patch cord. This patch cord is available in 50, 75, and 93 ohm cable for patching jacks with the same terminating resistance. Y= footage needed.</p> |
| 292101010Y 292101020Y 292101030Y | | 105-057/50-BNC-Y PATCH CORD 105-057/75-BNC-Y PATCH CORD 105-057/93-BNC-Y PATCH CORD | <p>Standard patch cord end on one end and a BNC male connector on the other end. This patch cord is available in 50, 75, and 93 ohm cable for patching jacks with the same terminating resistance. Y= footage needed.</p> |
| ESQ9502281 | | PATCH CORD END SET | <p>Cable end set contains one standard patch end assembly and one ferrule to allow customer to make custom cables.</p> |

COAXIAL TEST PROBE CORDS

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|---|--|--|---|
| 292000010Y 292000020Y 292000030Y | | 105-5/50-Y TEST PROBE CORD 105-5/75-Y TEST PROBE CORD 105-5/93-Y TEST PROBE CORD | Test probe on one end and a standard patch connector on the other end. This patch cord is available in 50, 75, and 93 ohm cable for patching jacks with the same terminating resistance. Y= footage needed. |
| 292101010Y 292101020Y 292101030Y | | 105-5A/50-Y TEST PROBE CORD 105-5A/75-Y TEST PROBE CORD 105-5A/93-Y TEST PROBE CORD | Test probe on one end and a BNC male connector on the other end. This patch cord is available in 50, 75, and 93 ohm cable for patching jacks with the same terminating resistance. Y= footage needed. |
| ESQ2000001 | | TEST PROBE CABLE END SET | Cable end set contains one test probe end and one ferrule to allow customer to make custom cables. |

COAXIAL PATCH PLUGS

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| 2160009001 | | 105-13 DUMMY PLUG | Standard patch plug end assembly used to fill unused patch field positions . Also can be used to keep accidental patching of a jack. |
| 2161009001 2161009002 2161009003 | | 105-14-75 TERMINATING PLUG 105-14-50 TERMINATING PLUG 105-14-93 TERMINATING PLUG | Standard patch cord end with a terminating resistor installed to terminate equipment attached to either a COJAX® jack or a 2-2 COPATCH jack. These terminating plugs are available in 50, 75, and 93 ohm terminating resistances. |

COAXIAL PATCH FIELD PAKS

COAX PATCH FIELD PAKS

EACH PATCH FIELD HOLDS 22 JACKS

| PART NUMBER | PRICE | DESCRIPTION | PANEL | JACKS |
|-------------|-------|---------------------------------|------------------------------|-----------------------------|
| 2093051005 | | 153-114-2-2 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 2-2 COPATCH JACK |
| 2093051004 | | 153-114-22B PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 22B COJAX JACK |
| 2093051006 | | 153-114-2-2A/75 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 2-2A/75 COPATCH JACK 75 OHM |
| 2093051007 | | 153-114-2-2A/50 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 2-2A/50 COPATCH JACK 50 OHM |
| 2093051008 | | 153-114-2-2A/93 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 2-2A/93 COPATCH JACK 93 OHM |
| 2093051002 | | 153-114-22T50 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 22T/50 COTERM JACK 50 OHM |
| 2093051001 | | 153-114-22T75 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 22T/75 COTERM JACK 75 OHM |
| 2093051003 | | 153-114-22T93 PATCH FIELD PAK | 105-114-22 1U PHENOLIC PANEL | 22T/93 COTERM JACK 93 OHM |
| 2093050005 | | 153-112-2-2 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 2-2 COPATCH JACK |
| 2093050004 | | 153-112-22B PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 22B COJAX JACK |
| 2093050006 | | 153-112-2-2A/75 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 2-2A/75 COPATCH JACK 75 OHM |
| 2093050007 | | 153-112-2-2A/50 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 2-2A/50 COPATCH JACK 50 OHM |
| 2093050008 | | 153-112-2-2A/93 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 2-2A/93 COPATCH JACK 93 OHM |
| 2093050002 | | 153-112-22T50 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 22T/50 COTERM JACK 50 OHM |

COAX PATCH FIELD PAKS

EACH PATCH FIELD HOLDS 22 JACKS

| PART NUMBER | PRICE | DESCRIPTION | PANEL | JACKS |
|-------------|-------|---|------------------------------|-----------------------------|
| 2093050001 | | 153-112-22T75 PATCH FIELD PAK (PAK-910-01) | 105-112-22 2U PHENOLIC PANEL | 22T/75 COTERM JACK 75 OHM |
| 2093050003 | | 153-112-22T93 PATCH FIELD PAK | 105-112-22 2U PHENOLIC PANEL | 22T/93 COTERM JACK 93 OHM |
| 2093052005 | | 153-113-2-2 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 2-2 COPATCH JACK |
| 2093052004 | | 153-113-22B PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 22B COJAX JACK |
| 2093052006 | | 153-113-2-2A/75 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 2-2A/75 COPATCH JACK 75 OHM |
| 2093052007 | | 153-113-2-2A/50 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 2-2A/50 COPATCH JACK 50 OHM |
| 2093052008 | | 153-113-2-2A/93 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 2-2A/93 COPATCH JACK 93 OHM |
| 2093052002 | | 153-113-22T50 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 22T/50 COTERM JACK 50 OHM |
| 2093052001 | | 153-113-22T75 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 22T/75 COTERM JACK 75 OHM |
| 2093052003 | | 153-113-22T93 PATCH FIELD PAK | 105-113-22 1U ALUMINUM PANEL | 22T/93 COTERM JACK 93 OHM |
| 2093053005 | | 153-115-2-2 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 2-2 COPATCH JACK |
| 2093053004 | | 153-115-22B PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 22B COJAX JACK |
| 2093053006 | | 153-115-2-2A/75 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 2-2A/75 COPATCH JACK 75 OHM |
| 2093053007 | | 153-115-2-2A/50 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 2-2A/50 COPATCH JACK 50 OHM |

COAX PATCH FIELD PAKS

EACH PATCH FIELD HAS 22 JACKS

| PART NUMBER | PRICE | DESCRIPTION | PANEL | JACKS |
|-------------|-------|---------------------------------|------------------------------|-----------------------------|
| 2093053008 | | 153-115-2-2A/93 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 2-2A/93 COPATCH JACK 93 OHM |
| 2093053002 | | 153-115-22T50 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 22T/50 COTERM JACK 50 OHM |
| 2093053001 | | 153-115-22T75 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 22T/75 COTERM JACK 75 OHM |
| 2093053003 | | 153-115-22T93 PATCH FIELD PAK | 105-115-22 2U ALUMINUM PANEL | 22T/93 COTERM JACK 93 OHM |