

88-56978x-xxx Equivalent

TX Series • MIL-DTL-38999 Series III Style Connectors



88-56978x-xxx Equivalent

Replace your 88-56978x-xxx connector with PC tail contacts with a Milnec equivalent that is 100% compatible to Amphenol TV07R connectors in form, fit, and function. If you have new design requirements, please contact your authorized Milnec distributor for a custom PC tail connector.

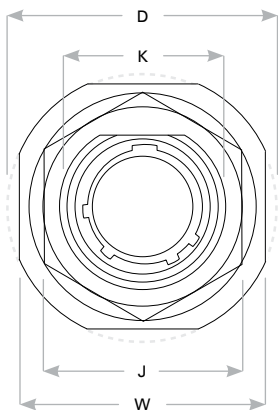
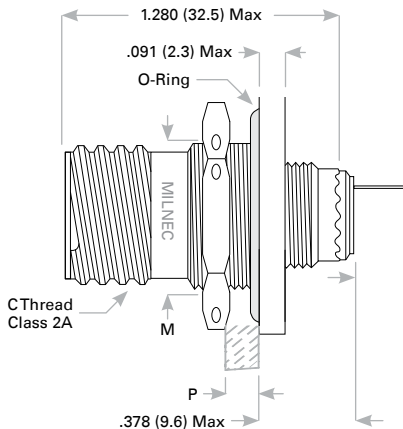
TX07W 13-35 XN - 125 - 02

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- BASIC PART NUMBER**
TX07W (88-56978x-xxx equivalent)
Jam nut receptacle
Aluminum, olive drab cadmium
500 hour salt spray rating
- SHELL SIZE**
See Amphenol Prefix in the
Receptacle Dimensions table below
- INSERT ARRANGEMENT**
See Insert Arrangement Selection table, p. 3
- CONTACT STYLE**
See Contact Style & Shell Key Codes, p. 2
X PC tail pin contacts
Y PC tail socket contacts
- SHELL KEYS**
See Contact Style & Shell Key Codes, p. 2
N NORMAL or A, B, C, D, E
- PC TAIL LENGTH DESIGNATOR**
125 See drawing for contact stick out length
- OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**
02 Protective cover

Receptacle Dimensions

Milnec Prefix	Amphenol Prefix	Shell Size	W	D	K	J	C Thread Class 2A	M	P Max Rear Panel†
TX07W9-XXXX	88-569781-XXXX	9	1.062 (27.0)	1.199 (30.5)	.697 (17.7)	.875 (22.2)	.6250-0.1P-0.3L-TS	.669 (17.0)	.125 (3.2)
TX07W11-XXXX	88-569782-XXXX	11	1.250 (31.8)	1.386 (35.2)	.822 (20.9)	1.000 (25.4)	.7500-0.1P-0.3L-TS	.769 (19.5)	.125 (3.2)
TX07W13-XXXX	88-569783-XXXX	13	1.375 (34.9)	1.511 (38.4)	1.007 (25.6)	1.188 (30.2)	.8750-0.1P-0.3L-TS	.955 (24.3)	.125 (3.2)
TX07W15-XXXX	88-569784-XXXX	15	1.500 (38.1)	1.636 (41.6)	1.134 (28.8)	1.312 (33.3)	1.0000-0.1P-0.3L-TS	1.084 (27.5)	.125 (3.2)
TX07W17-XXXX	88-569785-XXXX	17	1.625 (41.3)	1.761 (44.7)	1.259 (32.0)	1.438 (39.5)	1.1875-0.1P-0.3L-TS	1.208 (30.7)	.125 (3.2)
TX07W19-XXXX	88-569786-XXXX	19	1.812 (46.0)	1.949 (49.5)	1.384 (35.2)	1.562 (39.7)	1.2500-0.1P-0.3L-TS	1.333 (33.9)	.125 (3.2)
TX07W21-XXXX	88-569787-XXXX	21	1.938 (49.2)	2.073 (52.7)	1.507 (38.3)	1.688 (42.9)	1.3750-0.1P-0.3L-TS	1.459 (37.1)	.125 (3.2)
TX07W23-XXXX	88-569788-XXXX	23	2.062 (52.4)	2.199 (55.9)	1.634 (41.5)	1.812 (46.0)	1.5000-0.1P-0.3L-TS	1.575 (40.0)	.125 (3.2)
TX07W25-XXXX	88-569789-XXXX	25	2.188 (55.6)	2.323 (59.0)	1.759 (44.7)	2.000 (50.8)	1.6250-0.1P-0.3L-TS	1.709 (43.4)	.125 (3.2)

Dimensions are in inches (mm). † Max panel thickness will ensure proper coupling clearance.



Shell Size 9-17
#16 & #20 Contacts: .200-.244 (5.1-6.2)
#22D Contacts: .206-.258 (5.2-6.6)

Shell Size 19-25
#16 & #20 Contacts: .177-.222 (4.5-5.6)
#22D Contacts: .180-.236 (4.6-6.0)

How to Build Your 88-56978x-xxx PC Tail Connector

To find an equivalent to your Amphenol 88-56978x-xxx connector, you must convert your original part number to a Milnec part number. Characters in each part number represent different elements of the connector, including the shell style, finish, contact layout, and contact gender.

Below is an example part number for a TX Series 88-56978x-xxx equivalent that designates, 1) TX Series jam nut receptacle with olive drab cadmium finish over aluminum, 2) shell size 13, 3) the -35 insert arrangement, 4) pin PC tail contacts with normal keying, and 5) contact base number. ■

TX07W 13-35 XN - 125

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1 Series Shell Style

TX07W 88-56978x-xxx equivalent

2 Shell Size

88-569781-xxx Shell size 9
88-569782-xxx Shell size 11
88-569783-xxx Shell size 13
88-569784-xxx Shell size 15
88-569785-xxx Shell size 17
88-569786-xxx Shell size 19
88-569787-xxx Shell size 21
88-569788-xxx Shell size 23
88-569789-xxx Shell size 25

3 Insert Arrangement

See Insert Arrangement Selection table on p. 3 for all available options (e.g., xx-xxxxxx-35x)

4 Contact Style & Shell Key Codes

See Contact Style & Shell Key Codes table on this page for all available options (e.g., xx-xxxxxx-xxP)

5 PC Tail Length Designator

125 Designates matching PC tail contacts

Cross Examples:

88-569781-35P = TX07W9-35XN-125
88-569782-35H = TX07W11-35YA-125
88-569782-35P = TX07W11-35XN-125
88-569782-35S = TX07W11-35YN-125
88-569783-35P = TX07W13-35XN-125
88-569784-19S = TX07W15-19YN-125
88-569784-35P = TX07W15-35XN-125

Contact Style & Shell Key Codes

Milnec Code	Amphenol Code	PCB Tail Contact Style	Shell Key
XN	P	Pin	N
XA	G	Pins	A
XB	I	Pins	B
XC	K	Pins	C
XD	M	Pins	D
XE	R	Pins	E
YN	S	Sockets	N
YA	H	Sockets	A
YB	J	Sockets	B
YC	L	Sockets	C
YD	N	Sockets	D
YE	T	Sockets	E

TX