

MILITARY TECHNICAL MANUAL

Guide for selection of military technical manuals -

Example:

TM 11-5815-283-35 is the field & maintenance manual for - teletypewriter sets AN/PGC-70-

	T	M	11	-	5815	-	283	-	35
technical manual	signal	class of equipment	specific equipment		indicator of coverage				
5805	telephone and telegraph equipment				10 - operators manual				
5815	teletype and facsimile equipment				12 - operator and organizational maintenance manual				
5820	radio and television communication equipment (except airborne)				14 - operator, organizational maintenance & field maintenance				
5821	radio and television communication equipment (airborne)				15 - operator, organizational direct service and general service maintenance manual				
5825	radio navigation equipment (except airborne)				20 - organizational maintenance (second echelon)				
5826	radio navigation equipment (airborne)				24 - organizational, direct service, and general service maintenance				
5830	intercommunication & public address systems (except airborne)				34 - direct service and general service maintenance manual				
5831	intercommunication & public address systems (airborne)				35 - field and depot maintenance				
5835	sound recording and reproducing equipment				P - repair parts & special tools				
5840	radar equipment (except airborne)								
5841	radar equipment (airborne)								
5845	underwater sound equipment								
5895	miscellaneous communication equipment								

	A	N	/	F	G	C	-	7	0
system indicator	where it is	what it is		what it does	model number				
Installation	Type Equipment	Purpose							
A - airborne	A - invisible light	A - auxiliary assembly							
B - underwater mobile submarine	B - pigeon	B - bombing							
C - air transportable	C - carrier (wire)	C - communications							
D - pilotless carrier	D - radiac	D - direction finding							
F - fixed	F - photographic	G - gun/searchlight directing							
G - ground, general use	G - telegraphic/teletype	H - recording							
K - amphibious	I - interphone/public address	L - searchlight control							
M - mobile	K - telemetering	M - maintenance & test							
P - pack or portable	L - countermeasures	N - navigational aids							
S - water surface craft	M - meteorological	P - reproducing equipment							
T - ground transportable	N - sound in air	Q - special types							
U - general utility	P - radar	R - receiving							
V - ground vehicular	Q - sonar & underwater sound	S - detecting and/or range and bearing							
	R - radio	T - transmitting							
	S - special types	W - remote control							
	T - telephone (wire)	X - identification and recognition							
	V - visual & visible light								
	X - facsimile or television								

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STANDARD CIRCULAR CONNECTORS

97 SERIES CONNECTORS

Ordering Information -

New and used connectors are available on most numbers. Save 50¢ by specifying used condition. Quantity discount is available on more than 25 connectors. Request quote with: quantity, new/used, MS number. You will receive the lowest price, based on quantity, condition, availability, and current prices of gold.

PLUGS

"MS" Connector Insert Contact Arrangements

Each shell is available with all male or female contacts. Contacts are crimping with all solder size, except for spotwelding system. Contact sizes correspond to normal coding by wire size. Meet MIL-C-26252.



CURRENT RATINGS					ALTERNATE INSERT POSITIONS				
Contact Size	30	16	12	4	3	(30 W, X, Y, W 2)	(16 W, X, Y, W 2)	(12 W, X, Y, W 2)	(4 W, X, Y, W 2)
Amperage	10	20	40	70	100	200	200	200	200

Service-Limiting Operating Voltages @ Sea Level	See Legend				
DC	A	B	C	D	E
300	750	1500	1750	1750	1750
300	500	600	1150	1700	3000

CODE OF WIRE SIZES	30	16	12	8	4	0	CD/DAIS
CONDUCTANCE	10	20	40	70	100	200	200

Shell Size	30	16	12	8	4	0	CD/DAIS
30-100A (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100B (Split Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100C (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100D (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100E (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100F (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100G (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100H (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100I (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100J (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100K (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100L (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100M (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100N (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100O (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100P (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100Q (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100R (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100S (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100T (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100U (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100V (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100W (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100X (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100Y (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)
30-100Z (Solid Shell)	148-1 (A-I)	25-2 (D-I)	23-2 (D-I)	18-12 (A-I)	18-12 (A-I)	148-1 (A-I)	148-1 (A-I)

Waterproof Cable Clamps
The complete waterproof cable clamp assembly No. 6572 (see one with MS) completely protects an AN502A Connector. A rubber mounting washer and an AN502B Adapter. It is available for all sizes MS.

CAP AND CHAIN ASSEMBLIES

Ordering Information and Dimensions
1/8" W type inspection and stock. Provide protection against dirt circuits and keep out dirt and dust when connector is not in use. Two styles are available: the MS type with a stainless steel link chain and the traditional standard type with a heated chain. Both use the same caps and both have a custom size dash feature.



Cap Clamp
For standard caps or wires protected by tubing. On MS5020A Cable Clamps, shell clamping feature shown. On shell caps always eliminate. Whenever possible, after removal of cable clamp, it is suggested to use a locking cap with the standard part number. Note shell sizes 12 and 16 length. Two alternative bushings are furnished.



RECEPTACLES

Wall Mounting



Cable



Box Mounting



Step Down Cable Clamp - 97-3052



Receptacle Number	Pin Shell Size	Pin Shell Size	Pin Shell Size
97-3052-10	10	16	12
97-3052-16	16	12	8
97-3052-12	12	8	4

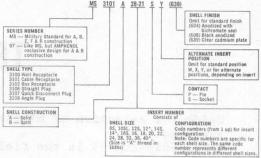
Bushing



Weather bushing, specifically designed for stainless steel, aluminum, or brass. It will protect the shell from corrosion. It is available in one size (30) and one size (16) shell size. Can be used in mounting bushing.

MS Number	Shell Size
MS100A	10
MS160A	16
MS120A	12
MS040A	4
MS080A	8
MS160B	16
MS120B	12
MS040B	4
MS080B	8

MS Number	Pin Shell Size	Pin Shell Size	Pin Shell Size
MS100A	10	16	12
MS160A	16	12	8
MS120A	12	8	4
MS040A	4	8	4
MS080A	8	4	4



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for sale

AB-105/FRG.....	\$4.50
ABK.....	15.00
AIG-3.....	9.75
AIG-10.....	15.00
AIM-85.....	4.50
ALR-8.....	30.00
ALR-28.....	30.00
AM-43/FRG.....	9.75
AM-65/GRC.....	9.75
AM-93/TTI.....	7.75
AM-495/GR.....	9.75
AM-598/U.....	7.50
AM-738/FRT.....	9.75
AM-1154/G.....	10.50
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APA-5.....	22.50
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APM-3.....	9.75
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APN-22.....	15.00
APN-59.....	42.75
APN-69.....	15.00
APN-70.....	27.75
APN-81.....	15.00
APN-91.....	15.00
APN-153.....	30.00
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APS-88.....	33.75
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ARN-5.....	15.00
ARN-6.....	15.00
ARN-7.....	15.00
ARN-14.....	18.75
ARN-21.....	22.50
ARN-68.....	15.00
ARN-82.....	15.00
ARN-83.....	15.00
ARR-7.....	11.25
ARR-15.....	15.00
ARR-40.....	15.00
ARR-41.....	15.00
ART-13.....	15.00
ART-34.....	10.50
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AS-51/MRQ.....	5.00
AS-81/GR.....	5.00
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ASA-34.....	9.75
ASN-22.....	11.25



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RF and power connectors, all
types. 1 piece or 1,000.
Request quote. Describe the
connector or equipment. Give
connector number when possible



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 FCG-19.....12.75
 FCG-25.....12.75
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