

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Review activities: Navy - AS
USAF - 11
Army - EL

User activities:

(F) INACTIVE FOR NEW DESIGN AFTER 5 SEP 1975

P.A. Navy - AS
Other: USAF - 11
Army - EL

TITLE
CONNECTORS, RECEPTACLE, ELECTRIC
CRIMP-TYPE, WALL MOUNTING, FLANGE,
N# 4 HOLES, BAYONET COUPLING

PROCUREMENT SPECIFICATION
MIL-C-26482

SUPERSEDES:

MILITARY STANDARD
MS 3120

SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5935-1947-09

FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INITIATIONS FOR BID.

APPROVED 5 OCT 61 REVISED 18 JULY 1962 24 AUG 62 14 FEB 64 15 SEP 67 5 SEP 75

(a) DIMENSIONS IN INCHES
(b) DISTANCE BETWEEN END OF SHELL AND THE POINT AT WHICH A GAGE PIN HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE FIRST ENGAGES SOCKET CONTACT SPRING
(c) PACKING MATERIAL SHALL MEET THE REQUIREMENTS OF MIL-STD-417
(d) TRUE POSITION (TP) TOLERANCES SPECIFIED ARE IN ACCORDANCE WITH MIL-STD-8
(e) MATERIAL: SHELL-ALUMINUM ALLOY; BAYONET PINS (B DIA) - STAINLESS STEEL, PASSIVATED
(f) EXAMPLE OF PART NUMBER: MS3120 E12-3PW

MS NUMBER CLASS SIZE INSERT ARRANGEMENT CONTACT STYLE ALTERNATE INSERT POSITION

MS 3120 E12-3PW

DETAIL A
DETAIL B
DETAIL C
DETAIL D
DETAIL E

CLASS E, P, RECEPTACLES (PIN INSERT)

STYL	A	B	C	D	H	I	J	K	M	Q	R	S	T	U	V	W	Z (TP)	INSER
8	.173	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31208
10	.590	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31209
12	.750	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31210
14	.875	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31211
16	1.000	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31212
18	1.125	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31213
20	1.250	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31214
22	1.375	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31215
24	1.500	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31216

CLASS E, P, RECEPTACLES (SOCKET INSERT)

STYL	A	B	C	D	H	I	J	K	M	Q	R	S	T	U	V	W	Z (TP)	INSER
8	.173	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31208
10	.590	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31209
12	.750	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31210
14	.875	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31211
16	1.000	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31212
18	1.125	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31213
20	1.250	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31214
22	1.375	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31215
24	1.500	.006	.000	.005	.000	.000	.000	.016	.031	.005	.005	.005	.005	.000	.000	.000	.000	MS31216

DETAIL A
DETAIL B
DETAIL C
DETAIL D
DETAIL E

FRONT PANEL REAR PANEL
MS 3120 E12-3PW

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Review activities:
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USAF - 11
Army - EL

User activities:

CLASS E		CLASS F		CLASS P		FED. SUP CLASS	
REF SHT 1		REF SHT 1		REF SHT 1		5935	
SIZE	L MAX OVER-ALL LENGTH	X DIA MIN ID	Y DIA MAX OD	X DIA MIN ID	Y DIA MAX OD	PP MIN	
8		.259	.608	.317	.608		
10		.359	.734	.434	.734		
12		.469	.858	.548	.858		
14	1.552	.589	.984	.673	.984		
16		.717	1.110	.798	1.110		.250
18		.779	1.234	.892	1.234		
20		.901	1.360	1.024	1.360		
22	1.709	1.009	1.484	1.117	1.484		
24		1.123	1.610	1.274	1.610		
SIZE	L MAX OVER-ALL LENGTH	X DIA MIN ID	Y DIA MAX OD	X DIA MIN ID	Y DIA MAX OD	PP MIN	
8		.125					
10		.188					
12		.312					
14		.375					
16		.500					
18		.625					
20		.750					
22		.800					
24							
TITLE		CLASS F		CLASS P		FED. SUP CLASS	
CONNECTORS, RECEPTACLE, ELECTRIC, CRIMP TYPE, WALL MOUNTING, FLANGE, N# 4 HOLES, BAYONET COUPLING		REF SHT 1		REF SHT 1		5935	
MILITARY STANDARD		REF SHT 1		REF SHT 1		5935	
MS 3120		REF SHT 1		REF SHT 1		5935	
SHEET 2 OF 2		REF SHT 1		REF SHT 1		5935	
APPROVED 5 Oct 61		REF SHT 1		REF SHT 1		5935	
REVISED (E) FOR CHANGES SEE SHEETS 1 AND 2.		REF SHT 1		REF SHT 1		5935	
DD FORM 1 SEP 57 672-1 (Coordinated)		REF SHT 1		REF SHT 1		5935	
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.		REF SHT 1		REF SHT 1		5935	
5935-1947-09		REF SHT 1		REF SHT 1		5935	