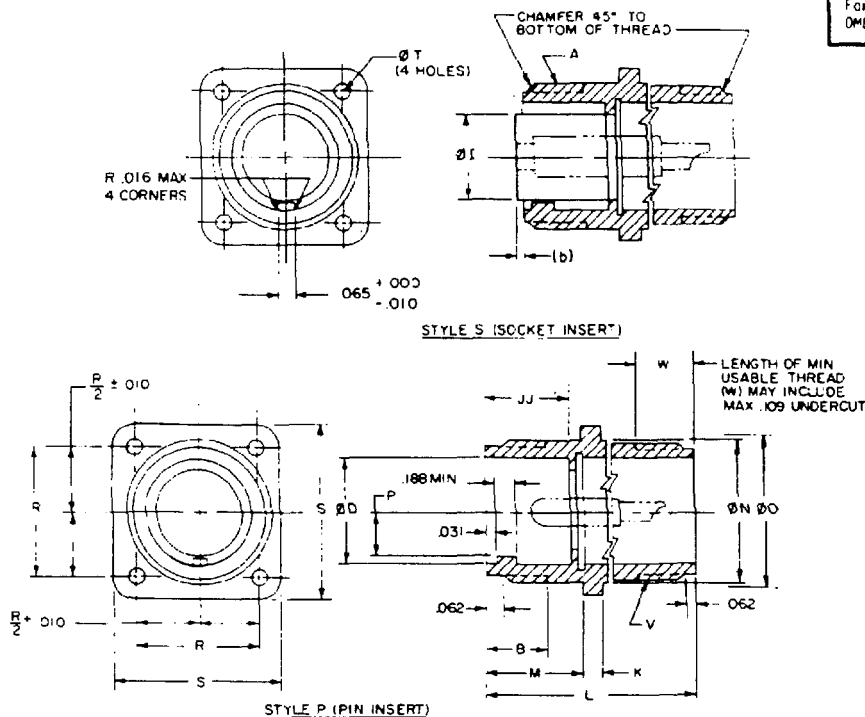


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-5015



CLASS A - SOLID SHELL / CLASS C - PRESSURIZED

SIZE	A COUPLING THREAD	B MIN USABLE THREAD	C +.015 -.000 Ø INSIDE	Ø I MAX INSERT	Ø J +.031 -.000 INSERT LOCATION	K THICKNESS MOUNTING FLANGE MAX MIN	L MAX OVERALL LENGTH	M +.031/ -.000 MOUNTING FLANGE LOCATION	N MAX Ø OUTSIDE	Ø O (ref) MOUNTING HOLE	P +.015 -.000 KEY HEIGHT	R +.005 CL-CL MOUNTING HOLES	S +.031 LENGTH SIDE	Ø T +.010/ -.005 MOUNTING BOLT HOLE	V THREAD	W MIN USABLE THREAD	FOR INSERT ARRANGE- MENT SEE DRAWING
8S	1/2-28		.370	.450			1.469		.532	.562	.130	.594	.875		1/2-28		
10S	5/8-24	.375	.448	.520	.562		1.531	.562	.656	.688	.165	.719	1.000				
10.5S																	
12S	3/4-20	.645	.557	.640	.750	.156	2.062	.750	.782	.812	.224	.812	1.094		5/8-24		
14S	7/8-20	.375	.662	.575	.562		1.688	.562	.906	.938	.263	.905	1.188	.120	3/4-20	.375	
14		.625			.750		2.062	.750									
16S		.375	.807	.650	.562		1.688	.562	1.032	1.062	.325	.969	1.231		7/8-20		
16							2.062	.750	1.156	1.188	.385	1.062	1.375		1 -20		
18	1-1/4-18		.937	.770					1.282	1.312	.463	1.155	1.500		1-3/16-18		
20	1-1/4-16		1.098	.925		.213	2.188		1.406	1.438	.510	1.250	1.625				
22	1-3/8-18		1.182	1.023					1.532	1.562	.573	1.375	1.750		1-7/16-18		
24	1-3/4-16	.600	1.307	1.145			2.312	.812	1.782	1.812	.683	1.562	2.000	.147			
26	1-3/4-18		1.526	1.365					2.032	2.062	.808	1.750	2.250		1-3/4-18	.436	
32	2 -18		1.776	1.615			2.430		2.282	2.312	.915	1.938	2.500		2 -18	.500	
36	2-1/4-16		1.995	1.830		.159	.125	.875	2.532	2.562	1.023	2.188	2.750	.173	2-7/4-16	.562	
40	2-1/2-16		2.225	2.060					2.782	2.812	1.150	2.375	3.000		2-7/2-16	.562	
44	2-3/4-16		2.495	2.330					3.032	3.062	1.275	2.625	3.250		3 -16	.625	
48	3 -16		2.745	2.580													

PREPARING ACTIVITY NAVY-AS
CUSTODIANS ARMY-CR NAVY-AS
AIR FORCE-B5 NASA-NA
REVIEW ARMY-M1, AV, ME, NAVY-SH, EC, AF, 99
USER ARMY-AT, NAVY-OS, MG, CG
PROJECT NUMBER 5935-3887

MILITARY SPECIFICATION SHEET
TITLE CONNECTOR, RECEPTACLE,
ELECTRIC, WALL MOUNTING,
SOLDER CONTACTS, AN TYPE

SPECIFICATION SHEET NUMBER
MS3100 20 AUG 92
REV F
SUPERSEDING
MS3100 E 31 AUG 90
ANSC- N/A FSC 5935

DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited

Page 1 of 9

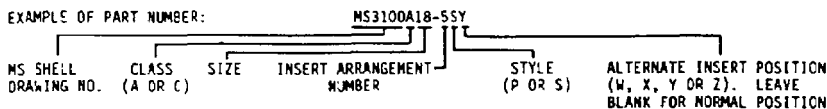
THIS SPECIFICATION IS APPROVED FOR USE
BY ALL DEPARTMENTS AND AGENCIES OF THE
DEPARTMENT OF DEFENSE

NOTES:

(F)

- (a) SIZES 8S THRU 40 OF CLASSES A AND C ARE CANCELLED AFTER 1 JAN 1991. FOR REPLACEMENT PURPOSES USE CLASS F FOR SADDLE CLAMP WITH GROMMET SEAL OR CLASS R FOR GROMMET SEAL WITHOUT SADDLE CLAMP. MANUFACTURERS MAY CONTINUE TO SUPPLY THESE SIZES OF CLASSES A AND C UNTIL 1 JAN 1992 OR EXHAUST THEIR INVENTORIES, WHICHEVER COMES FIRST. FOR NEW DESIGN USE MS3450W WITH THE APPROPRIATE M85049/31 BACKSHELL. FOR SHIPBOARD JACKETED CABLES USE MS3400.
- (b) SIZES 44 AND 48 OF CLASSES A AND C ARE INACTIVE FOR NEW DESIGN AFTER 17 DECEMBER 1958.
- (c) WHERE RESILIENT INSERTS ARE USED, JJ MAY BE .109 LESS THAN THAT INDICATED.
- (d) SOCKET INSERT OF HARD MATERIAL SHALL EXTEND .016 MAXIMUM BEYOND OR .032 MAXIMUM BELOW SHELL. SOCKET INSERT OF RESILIENT MATERIAL SHALL EXTEND .047 +.000 -.047 BEYOND SHELL AS SHOWN.
- (e) CONNECTORS MS3100A (OR C) REPLACE AND ARE INTERCHANGEABLE WITH CORRESPONDING AN3100A (OR C) CONNECTORS.

EXAMPLE OF PART NUMBER:



DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$. THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

CERTAIN PROVISIONS OF THIS SPECIFICATION SHEET ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENTS NATO STANAG 3372, NEPR 28. WHEN AMENDMENT, REVISION, OR CANCELLATION OF THIS SPECIFICATION SHEET IS PROPOSED WHICH WILL MODIFY THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES TO CHANGE THE AGREEMENT OR MAKE OTHER APPROPRIATE ACCOMMODATIONS.

(F)

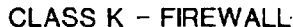
DENOTES CHANGE

PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER	20 AUG 92
CUSTODIANS: ARMY-CR NAVY-AS	TITLE	MS3100	REV F
AIR FORCE-85 NASA-NA	CONNECTOR, RECEPTACLE, ELECTRIC, WALL MOUNTING, SOLDER CONTACTS, AN TYPE	SUPERSEDING MS3100 E	31 AUG 90
REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99		AMSC- N/A	FSC 5935
USER: ARMY-AT, NAVY-OS, MC, CG			
PROJECT NUMBER: 5935-3887			

DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited

Page 2 of 9

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: **MIL - C - 5015**



PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER	20 AUG 92
CUSTODIANS: ARMY-CR NAVY-AS	TITLE	MS3100	REV F
AIR FORCE-BS NASA-NA	CONNECTOR, RECEPTACLE, ELECTRIC, WALL MOUNTING, SOLDER CONTACTS, AN TYPE	SUPERSEEDING MS3100 E	31 AUG 90
REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF, 99		AMSC- N/A	FSC 5935
USER: ARMY-AT, NAVY-OS, MC, CG			
PROJECT NUMBER 5935-3887			

Page 3 of 9

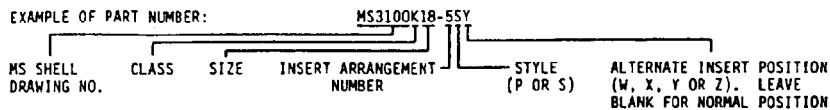
THIS SPECIFICATION IS APPROVED FOR USE
BY ALL DEPARTMENTS AND AGENCIES OF THE
DEPARTMENT OF DEFENSE.

COMMUNITY COLLEGE OF LOS ANGELES

NOTES:

- (F) (a) CLASS K IS INACTIVE FOR NEW DESIGN AFTER 1 JAN 1991. USE MS3450K WITH THE APPROPRIATE M85049/31 BACKSHELL FOR NEW DESIGN. FOR SHIPBOARD JACKETED CABLES USE MS3400.
 (b) CONNECTORS MS3100K REPLACE AND ARE INTERCHANGEABLE WITH CORRESPONDING AN3100K CONNECTORS.

EXAMPLE OF PART NUMBER:



DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$.
 FOR DESIGN FEATURE PURPOSES, THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
 REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(F) DENOTES CHANGE

PREPARING ACTIVITY: NAVY-AS
 CUSTODIANS: ARMY-CR NAVY-AS
 AIR FORCE-85 NASA-NA
 REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99
 USER: ARMY-AT, NAVY-OS, MC, CG
 PROJECT NUMBER: 5935-3887

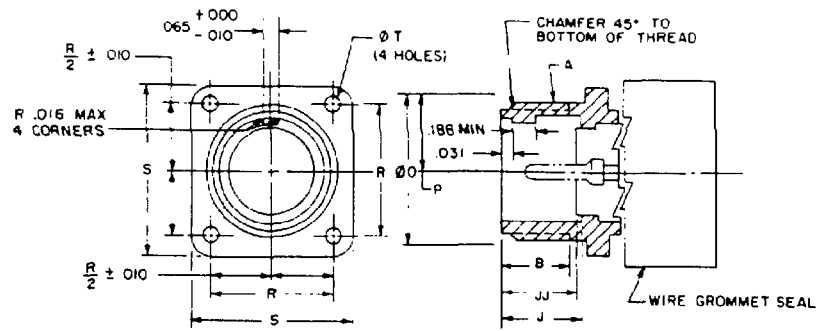
MILITARY SPECIFICATION SHEET
 TITLE CONNECTOR, RECEPTACLE,
 ELECTRIC, WALL MOUNTING,
 SOLDER CONTACTS, AN TYPE

SPECIFICATION SHEET NUMBER 20 AUG 92
 MS3100 REV F
 SUPERSEDING
 MS3100 E 31 AUG 90
 AMSC- N/A FSC 5935

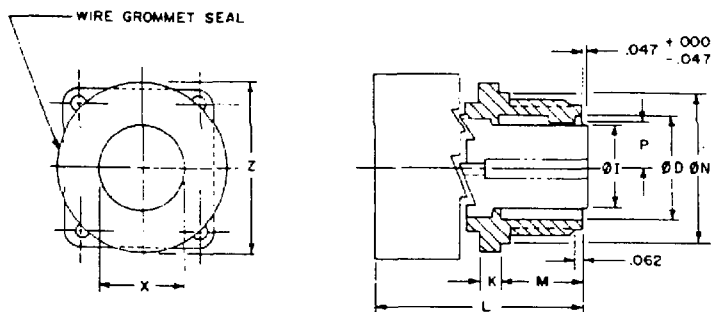
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Page 4 of 9

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION: MIL-C-5015



STYLE P (PIN INSERT)



STYLE S (SOCKET INSERT)

CLASS E - ENVIRONMENT RESISTANT

SIZE	A COUPLING THREAD	B MIN USABLE THREAD	C +.015 -.000 IN-DE	Ø E MAX INSERT Ø	J +.031 -.000 INT LOC-A- TION	JU ±.031 INSERT LOC-A- TION	K THICKNESS MOUNTING FLANGE MAX MIN	L (E) MAX OVER- ALL LENGTH	M +.031 -.000 MTG FLANGE LOC-A-TION	N MAX Ø OUTSIDE	Ø O (ref) MOUNT- ING HOLE	P +.015 -.000 KEY HEIGHT	K +.005 FL- L MTG HOLES	S +.031 -.000 SIDE	Ø T +.010 -.005 MTG HOLES	X MIN CABLE CLEAR- ANCE	Z MAX ACROSS CABLE ADAPTER ASSY	FOR INSERT ARRANGE- MENT SEE
85	1/2-28		.370	.250						.532	.562	.130	.594	.875		.172	1.046	MIL-STD-1651
105	5/8-24	.375	.448		.562	.434		2.250	.562	.656	.686	.165	.719	1.000				
105L																		
125	3/4-20		.448							.782	.812	.224	.812	1.094		.281	1.125	
12		.625	.557		.750	.672	.156	.078	2.625	.750		.224	.812	1.094				
145	7/8-20	.375	.682	.525	.562	.444		2.250	.562	.906	.936	.263	.906	1.188	.120	.406	1.343	
14		.625			.750	.672		2.625	.750									
165	1-20	.375	.807	.650	.562	.434		2.250	.562	1.032	1.062	.325	.969	1.281		.500	1.484	
16								2.625										
18	1-1/8-18		.932	.770				2.688	.750	1.156	1.186	.385	1.062	1.375		.531	1.669	
20	1-1/4-18		1.058	.925				2.750		1.282	1.312	.463	1.156	1.500		.656	1.890	
22	1-3/8-18		1.182	1.020	.750	.672	.233	.094		1.406	1.438	.510	1.250	1.625		.750		
24	1-1/2-18	.625	1.307	1.145				2.969		1.532	1.562	.573	1.375	1.750	.147	.781	2.170	
26	1-3/4-18		1.526	1.365				3.031		1.782	1.812	.683	1.562	2.000		.922		
32	2-18		1.776	1.615					.875	2.032	2.062	.808	1.750	2.250		1.156	2.656	
36	2-1/4-16		1.995	1.830			.359	.125	3.281	2.282	2.312	.915	1.838	2.500	.173	1.250	2.922	
40	2-1/2-16		2.245	2.045				3.500		2.532	2.562	1.023	2.188	2.750		1.562	3.531	

PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-CR NAVY-AS AIR FORCE-85 NASA-NA REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99 USER: ARMY-AT, NAVY-OS, MC, CG PROJECT NUMBER: 5935-3887	MILITARY SPECIFICATION SHEET TITLE: CONNECTOR, RECEPTACLE, ELECTRIC, WALL MOUNTING, SOLDER CONTACTS, AN TYPE	SPECIFICATION SHEET NUMBER 20 AUG 92 MS3100 REV F SUPERSEDING MS3100 E 31 AUG 90 AMSC- N/A FSC 5935
DISTRIBUTION STATEMENT A Approved for public release. distribution is unlimited		Page <u>5</u> of <u>9</u>

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

NOTES:

- (F) (a) CLASS E IS CANCELLED AFTER 1 JAN 1991. USE MS3100R AS A REPLACEMENT FOR MS3100E WITHOUT SADDLE CLAMP OR MS3100F FOR CLASS E WITH SADDLE CLAMP. MANUFACTURERS MAY CONTINUE TO SUPPLY CLASS E UNTIL 1 JAN 1992 OR EXHAUST THEIR INVENTORIES, WHICHEVER COMES FIRST. FOR NEW DESIGN USE MS3450W WITH THE APPROPRIATE M85049/31 BACKSHELL. FOR SHIPBOARD JACKETED CABLES USE MS3400.
- (b) ADD .375 FOR SIZE "O" CONTACTS.
- (c) MS3100E REPLACE AND ARE INTERCHANGEABLE WITH CORRESPONDING AN3100G CONNECTORS.

EXAMPLE OF PART NUMBER:

MS3100E18-SSY

MS SHELL DRAWING NO.	CLASS	SIZE	INSERT ARRANGEMENT NUMBER	STYLE (P OR S)	ALTERNATE INSERT POSITION (W, X, Y OR Z). LEAVE BLANK FOR NORMAL POSITION
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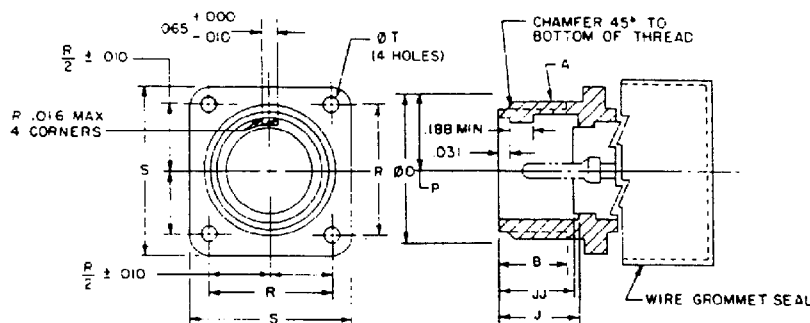
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS .016.
THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(F) DENOTES CHANGE

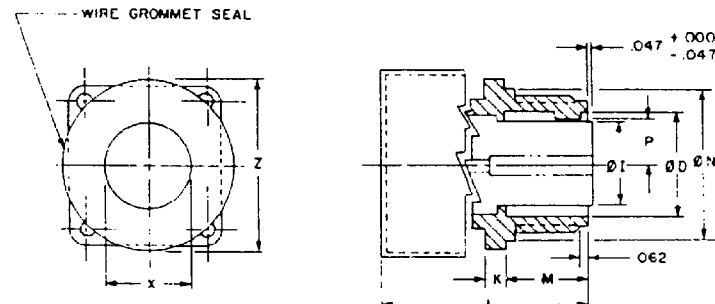
PREPARING ACTIVITY: NAVY-AS CUSTODIANS: ARMY-CR NAVY-AS AIR FORCE-85 NASA-NA REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99 USER: ARMY-AT, NAVY-OS, MC, CG PROJECT NUMBER: 5935-3887	MILITARY SPECIFICATION SHEET TITLE CONNECTOR, RECEPTACLE, ELECTRIC, WALL MOUNTING, SOLDER CONTACTS, AN TYPE	SPECIFICATION SHEET NUMBER 20 AUG 92 MS3100 REV F SUPERSEDING 31 AUG 90 MS3100 E AMSC- N/A FSC 5935
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Page 6 of 9



STYLE P (PIN INSERT)



STYLE S (SOCKET INSERT)

CLASS R - ENVIRONMENT RESISTANT

SIZE	A COUPLING THREAD	R MIN USABLE THREAD	T MAX INSIDE	Ø I MAX INSERT	Ø I MAX INT SHELL LOCATOR	Ø I MAX INSERT LOCATOR	K THICKNESS MOUNTING FLANGE	L (A) MAX OVER- ALL LENGTH	M MAX MTG FLANGE LOCATION	A MAX Ø OUTSIDE	B Ø MOUNT- ING HOLE	P MAX KEY HEIGHT	R MAX Ø CL-CL MTG HOLES	S MAX Ø CL-CL SIDE	Ø T MAX Ø MTG HOLES	Z MIN CABLE CLEAR- ANCE	Z MAX ACROSS SEAL ASSY	FOR INSERT ARRANGE- MENT SEE
8S	1/2-28		.375	.250						.562	.562	.130	.594	.875		.172	1.046	
10S	5/8-24	.375	.448	.320	.562	.484		1.838	.562	.656	.688	.165	.719	1.000				
12S	3/4-20	.625	.557	.448	.750	.672	.156	.076	2.181	.762	.812	.224	.812	1.094		.281	1.125	MIL-STD-1651
14S	7/8-20	.375	.647	.525	.562	.484		1.838	.562	.906	.938	.263	.906	1.188	.120	.406	1.343	
16S		.375			.562	.484		1.838	.562									
18S	1-20		.807	.650				2.181		1.032	1.062	.325	.969	1.281		.500	1.484	
20S	1-1/8-18		.932	.770					.750	1.156	1.188	.385	1.062	1.375		.531	1.609	
22S	1-1/4-16		1.058	.925						1.282	1.312	.463	1.156	1.500		.656	1.890	
24S	1-3/8-16		1.182	1.020	.750	.672	.203	.094	2.281	1.406	1.438	.510	1.250	1.625		.750		
26S	1-1/2-15	.575	1.317	1.145					.812	1.512	1.562	.573	1.375	1.750	.147	.781	2.170	
28S	1-3/4-14		1.526	1.365						1.782	1.812	.683	1.562	2.000		.922		
32S	2-1/8		1.776	1.615						2.032	2.062	.808	1.750	2.250		1.156	2.656	
36S	2-1/4-16		1.995	1.930			.359	.125	2.322	2.282	2.312	.915	1.938	2.500	.173	1.250	2.922	
40S	2-1/2-16		2.245	2.045						2.532	2.542	1.023	2.188	2.750		1.562	3.328	

PREPARING ACTIVITY: NAVY-AS
CUSTODIANS: ARMY-CR NAVY-AS
AIR FORCE-B5 NASA-NA
REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99
USER: ARMY-AT, NAVY-OS, MC, CG
PROJECT NUMBER: 5935-3887

MILITARY SPECIFICATION SHEET
TITLE: CONNECTOR, RECEPTACLE,
ELECTRIC, WALL MOUNTING,
SOLDER CONTACTS, AN TYPE

SPECIFICATION SHEET NUMBER
MS3100
20 AUG 92
REV F
SUPERSEDING
MS3100 E
31 AUG 90
AMSC - N/A FSC 5935

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODISS SPECIFIED IN THE SOLICITATION MIL-C-5015

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE

CLASSIFIED INFORMATION

NOTES:

- (a) CLASS R IS INACTIVE FOR NEW DESIGN AFTER 1 JAN 1991. FOR NEW DESIGN USE MS3450W WITH APPROPRIATE M85049/31 BACKSHELL. FOR SHIPBOARD JACKETED CABLES USE MS3403.
- (b) ADD .375 FOR SIZE "0" CONTACTS.
- (c) MS3100R CONNECTORS REPLACE AND ARE INTERCHANGEABLE WITH CORRESPONDING MS3100C AND AN3100C CONNECTORS WITH SADDLE TYPE CABLE CLAMP.

EXAMPLE OF PART NUMBER

MS SHELL CLASS SIZE INSERT ARRANGEMENT STYLE ALTERNATE INSERT POSITION
DRAWING NO. (P OR S) (W, X, Y OR Z). LEAVE
BLANK FOR NORMAL POSITION

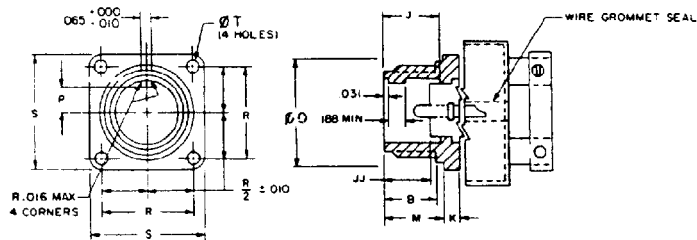
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .016$.
THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(F) DENOTES CHANGE

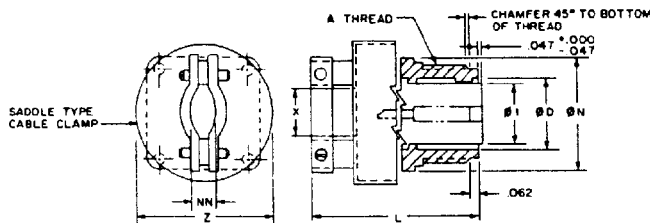
PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER	20 AUG 92
CUSTODIANS: ARMY-CR NAVY-AS	TITLE CONNECTOR, RECEPTACLE,	MS3100	REV F
AIR FORCE-B5 NASA-NA	ELECTRIC, WALL MOUNTING,	SUPERSEDING	31 AUG 90
REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF99	SOLDER CONTACTS, AN TYPE	MS3100 E	
USER: ARMY-AT, NAVY-OS, MC, CG		AMSC- N/A	FSC 5935
PROJECT NUMBER 5935-3887			

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Page 8 of 9



STYLE P (PIN INSERT)



STYLE S (SOCKET INSERT)

CLASS F - ENVIRONMENT RESISTANT

SIZE	A COUPLING THREAD	B MIN USABLE THREAD	D +.015 -.000 Ø INSIDE	Ø1 MAX INSERT	J +.031 -.000 INT SHELL SHLD	JJ +.031 -.000 INSERT LOC- TION	K THICKNESS MOUNTING FLANGE MAX MIN	L (b) MAX OVER- ALL LENGTH	M +.031 -.000 MTG FLANGE LOCATION	N MAX Ø OUTSIDE	ØO (REF) MOUNT- ING HOLE	P +.015 -.000 CL- KEY HEIGHT	R +.005 -.000 CL- MTG HOLES	S +.031 -.000 CL- SIDE	NN MAX CLOSED	X MIN CABLE CLEAR- ANCE	Z MAX ACROSS CLAMP	ØT +.010 -.000 MTG HOLES	FOR INSERT ARRANGE- MENT SEE
8S	1/2-28		.370	.250						.532	.562	.130	.594	.875					
10S	5/8-24			.320						.656	.688	.165	.719	1.000		.172	1.046		
10SL		.375	.448		.562	.484		2.250	.562						.200				
12S	3/4-20		.557	.448						.782	.812	.224	.812	1.094		.281	1.125		
12		.625			.750	.672	.156	.078	.625	.750									
14S		.375			.562	.484		2.250	.562										
14	7/8-20	.625	.682	.525	.750	.672		2.625	.750	.906	.938	.263	.906	1.188	.312	.406	1.343	.120	
16S		.375			.562	.484		2.250	.562										
16	1-20		.807	.650				2.625		1.032	1.062	.325	.969	1.281	.360	.500	1.484		
18	1-1/8-18		.932	.770				2.688	.750	1.156	1.188	.385	1.062	1.375	.422	.531	1.609		
20	1-1/4-18		1.058	.925						1.282	1.312	.463	1.156	1.500		.656			
22	1-3/8-18	.625	1.182	1.020			.203	.094	2.750	1.406	1.438	.510	1.250	1.625	.531	.740	1.890		
24	1-1/2-18		1.307	1.145	.750	.672		2.969		1.532	1.562	.573	1.375	1.750		.781		.147	
28	1-3/4-18		1.526	1.365			.359	.125	3.031	.812	1.782	1.812	.683	1.562	2.000	.594	.922	2.170	
32	2-18		1.776	1.615					.875	2.032	2.062	.808	1.750	2.250	.790	1.156	2.656		
36	2-1/4-16		1.995	1.830				3.281		2.282	2.312	.915	1.938	2.500		1.250	2.922	.173	
40	2-1/2-16		2.245	2.045				3.500		2.532	2.562	1.023	2.188	2.750	1.100	1.562	3.531		

NOTES:

- (a) CLASS F IS INACTIVE FOR NEW DESIGN AFTER 1 JAN 1991.
FOR NEW DESIGN USE MS3450W WITH APPROPRIATE MS5049/52. FOR SHIPBOARD JACKETED CABLES USE MS3400.
(b) ADD .375 FOR SIZE "0" CONTACTS.
(c) MS3100F CONNECTORS REPLACE AND ARE INTERCHANGEABLE WITH CORRESPONDING MS3100E AND AN3100E CONNECTORS WITH SADDLE TYPE CABLE CLAMP.

EXAMPLE OF PART NUMBER:

MS3100F18-55Y
MS SHELL CLASS SIZE INSERT ARRANGEMENT STYLE ALTERNATE INSERT POSITION
DRAWING NO. NUMBER (P OR S) (W, X, Y OR Z). LEAVE
BLANK FOR NORMAL POSITION

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.016.
THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

PREPARING ACTIVITY: NAVY-AS	MILITARY SPECIFICATION SHEET	SPECIFICATION SHEET NUMBER
CUSTODIANS: ARMY-CR NAVY-AS	TITLE CONNECTOR, RECEPTACLE,	MS3100 20 AUG 92
AIR FORCE-85 NASA-NA	ELECTRIC, WALL MOUNTING,	REV F
REVIEW: ARMY-MI, AV, ME, NAVY-SH, EC, AF-99	SOLDER CONTACTS, AN TYPE	SUPERSEDING
USER: ARMY-AT, NAVY-OS, MC, CG		MS3100 E 31 AUG 90
PROJECT NUMBER 5935-3887		AMSC- N/A FSC 5935

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Page 9 of 9