

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

SAE AS81714/61

RATIONALE

FEDERAL SUPPLY CLASS
5940

AS81714/61 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-T-81714/61A, NOTICE 1, NOTICE 2 AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-T-81714/61A, NOTICE 1, NOTICE 2. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

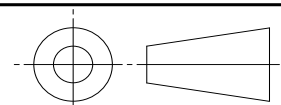
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as81714-61

**SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS81714/61>**

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C2

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION
BLOCKS, SECTIONAL, BUSSING MODULES,
FEEDBACK TYPE, SERIES II

SAE AS81714/61
SHEET 1 OF 5

ISSUED 2004-04 REAFFIRMED 2012-01

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

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.

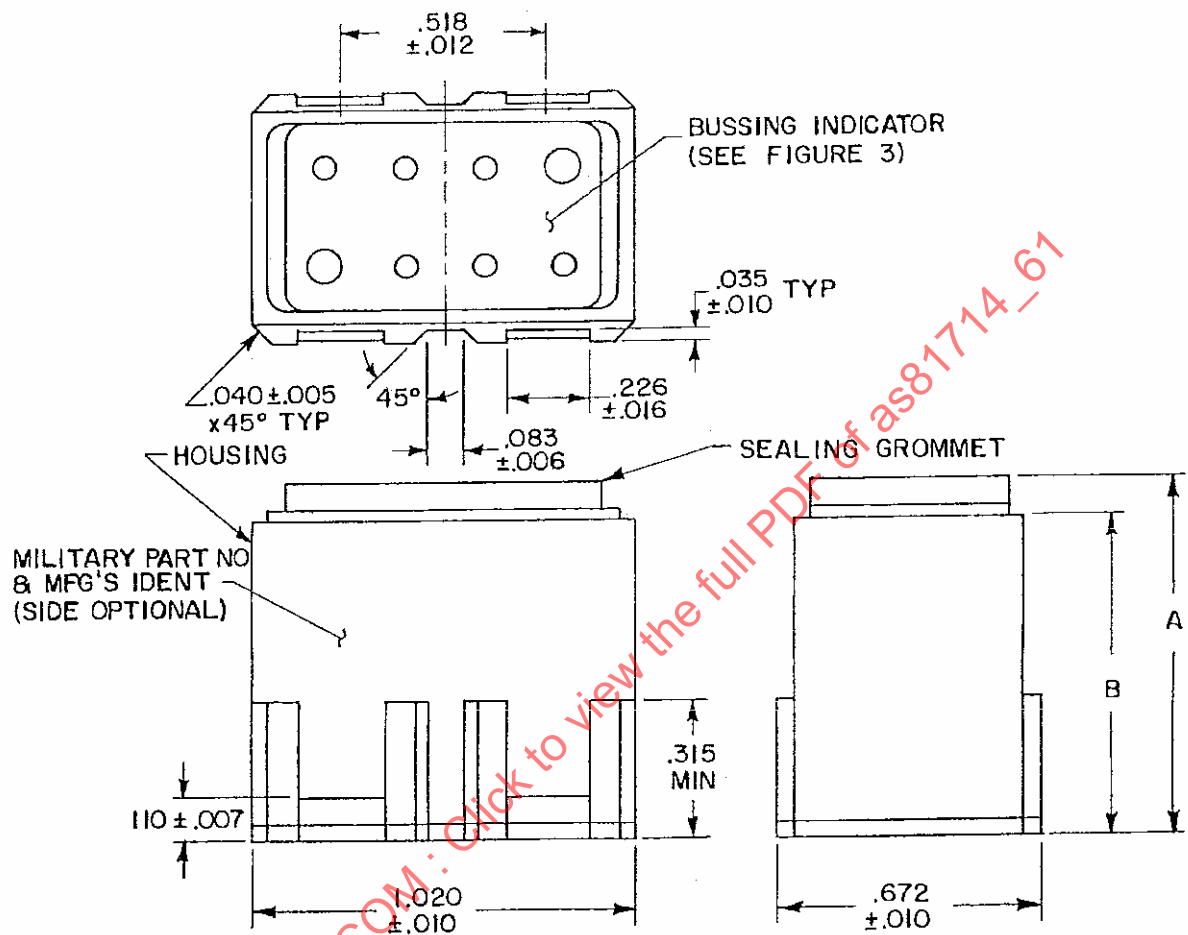


FIGURE 1. BLOCK SIZE 0W, 0X, 0Z.

MIL-T-81714/61A REMAINS INACTIVE FOR NEW DESIGN, HOWEVER, THE DOCUMENT IS VALID FOR USE.

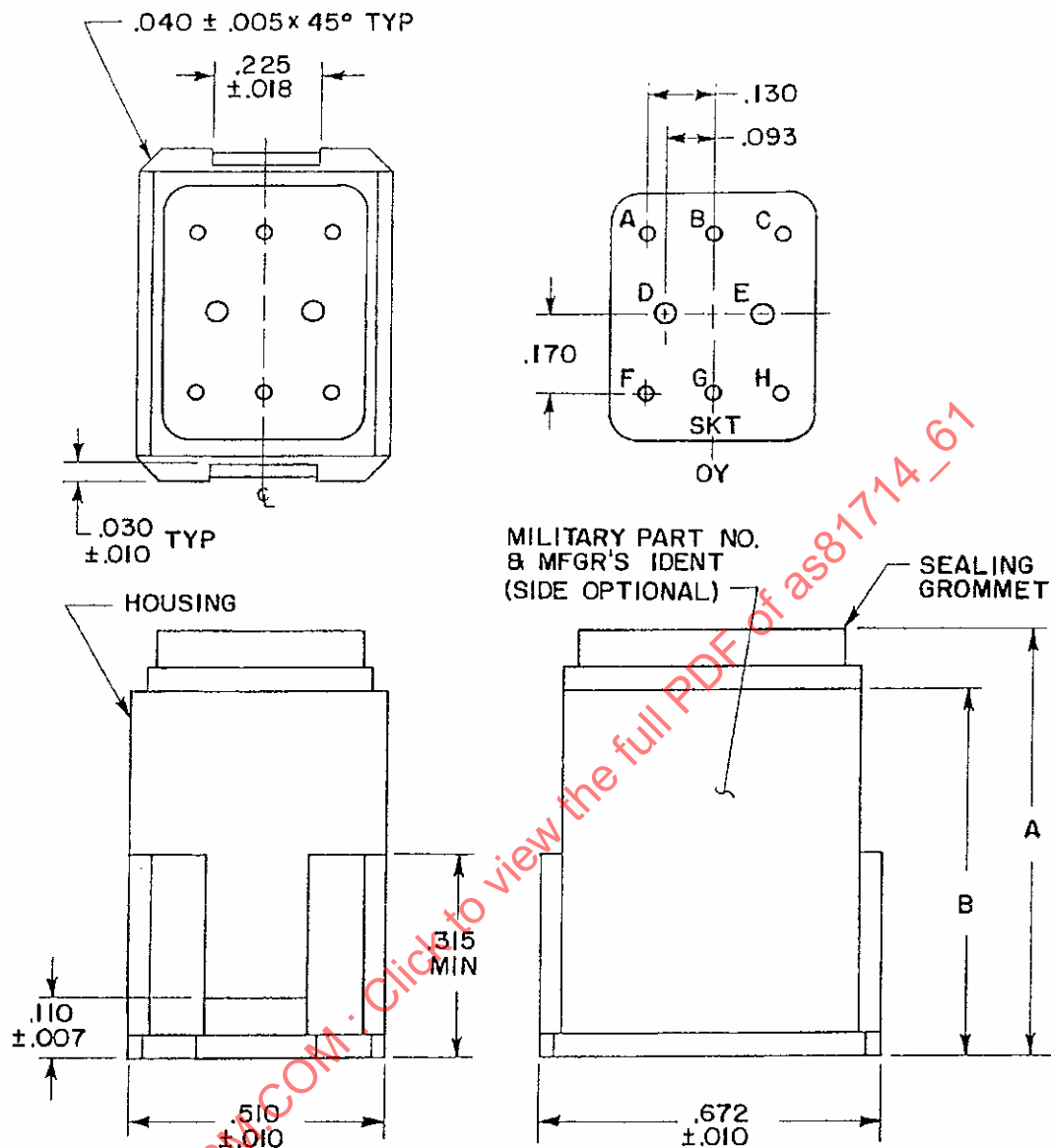


FIGURE 2. BLOCK SIZE 0Y.

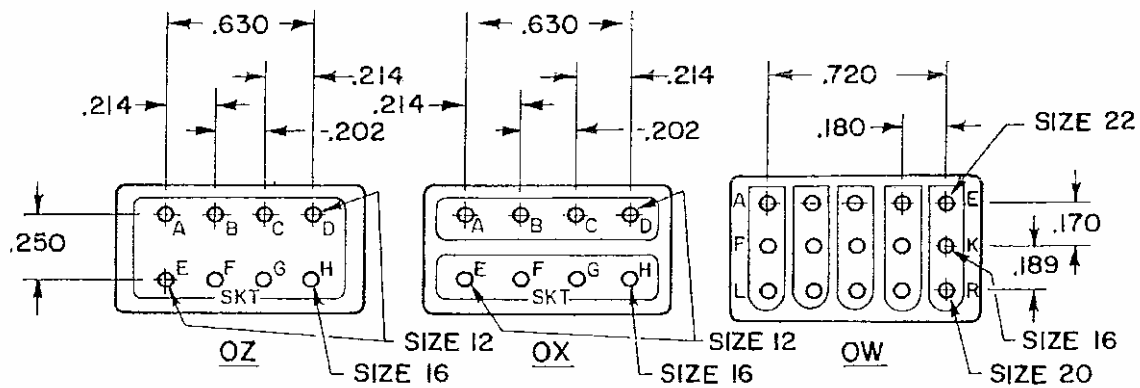


FIGURE 3. COMPONENT DESIGNATOR.

TABLE 1. DIMENSIONS.

COMPONENT DESIGNATOR	CONTACT SIZE	BUS/CONTACT DESCRIPTION	A MAX	B MAX
0Z	12/16	ONE BUS - 2 SIZE 12 & 6 SIZE 16	.1047	.977
0Y	16/20	ONE BUS - 2 SIZE 16 & 6 SIZE 20	.920	.880
0X	12/16	2 BUSES - 1 SIZE 12 & 3 SIZE 16 PER BUS	1.047	.977
0W	16, 20 & 22	5 BUSES - 1 SIZE 22, 1 SIZE 20 & 1 SIZE 16 PER BUS	1.047	.890

TABLE 2.

COMPONENT DESIGNATOR	CONTACT SIZE	INSERTING/REMOVAL TOOL	END SEAL PLUG	BLOCK REMOVAL TOOL
0W	16	M81969/14-03	MS27488-16	M81714/69-02
	20	M81969/14-10	MS27488-20	
	22	M81969/14-07	MS27488-22	
0Y	16	M81969/14-03	MS27488-16	M81714/69-01
	20	M81969/14-10	MS27488-20	
0Z	12	M81969/16-03/8-10	MS27488-12	M81714/69-02
	16	M81969/14-03	MS27488-16	
0X	12	M81969/16-03/8-10	MS27488-12	M81714/69-02
	16	M81969/14-03	MS27488-16	

INCH	MM	INCH	MM	INCH	MM	INCH	MM
.005	0.12	.040	1.01	.214	5.43	.672	17.06
.006	0.15	.083	2.10	.225	5.71	.720	18.18
.007	0.17	.093	2.36	.226	5.74	.880	22.35
.010	0.25	.110	2.79	.250	6.35	.890	22.61
.012	0.30	.130	3.30	.315	8.00	.920	23.37
.016	0.40	.170	4.31	.510	12.95	.997	24.82
.018	0.45	.180	4.57	.518	13.15	1.020	25.90
.030	0.76	.189	4.80	.630	16.00	1.047	26.59
.035	0.88	.202	5.13				