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SAE AS29600/24

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS29600/24 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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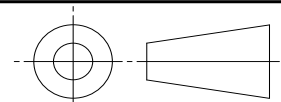
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

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AEROSPACE STANDARD

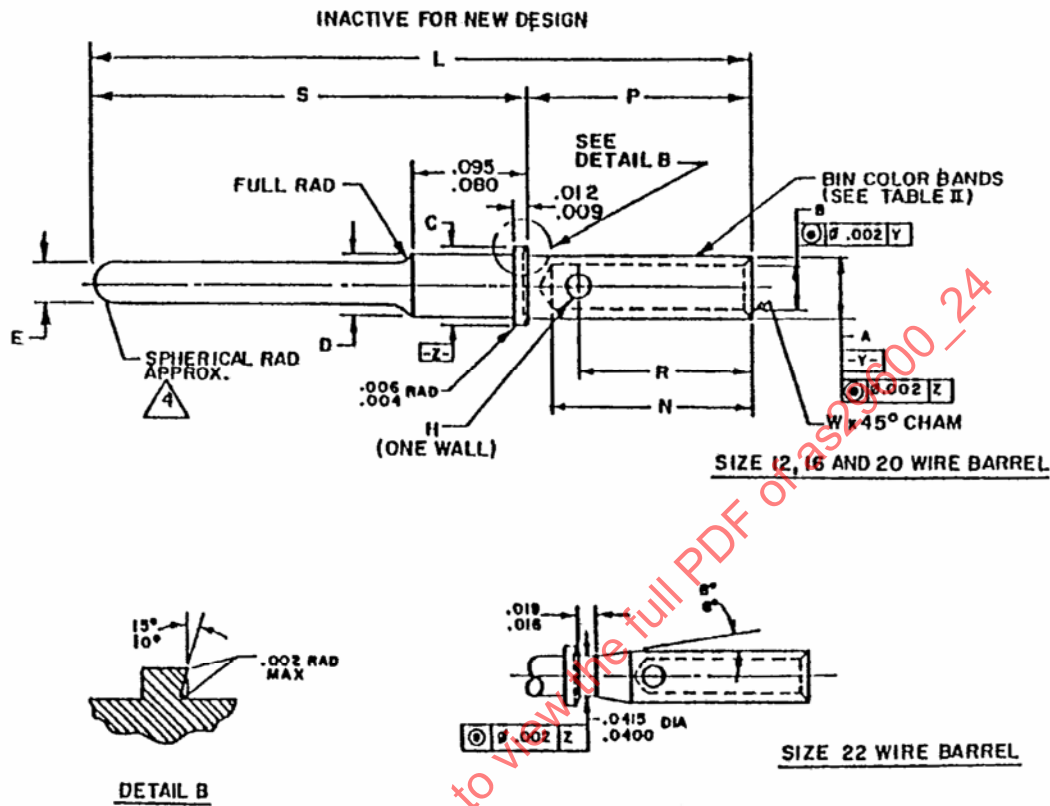
CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE,
HIGH DENSITY, QUICK COUPLING, ENVIRONMENT RESISTANT,
CONTACTS, PIN, CRIMP REMOVABLE (SERIES B)

SAE AS29600/24
SHEET 1 OF 4

ISSUED 2004-04 REAFFIRMED 2013-04

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

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST REVISION OF MIL-C-29600.



NOTES:

1. DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
2. METRIC EQUIVALENTS ARE BASED UPON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.
4. SPHERICAL END DIMENSION SHALL CONFORM TO MIL-C-39029.
5. MANUFACTURER'S TRADEMARK PER AIR-1351

TABLE I. DIMENSIONS.

BIN CODE	A	B	C	D	E	H	L REF	N	P	R	S	W CHAM
610	.0480 .0465	.0355 .0335	.0555 .0540	.0390 .0365	.0275 .0260	.022 .018	.636	.155 .145	.218 .208	.145 .139	.426 .420	.006 .003
611	.0615 .0600	.0450 .0430	.0760 .0745	.0615 .0600	.0410 .0390	.027 .023	.636	.195 .185	.218 .208	.165 .159	.426 .420	.007 .004
612	.0925 .0910	.0645 .0625	.1080 .1065	.0925 .0910	.0630 .0610	.027 .023	.636	.195 .185	.218 .208	.165 .159	.426 .420	.010 .006
613	.1515 .1500	.1020 .0980	.1695 .1680	.1515 .1500	.0950 .0930	.042 .038	.663	.232 .216	.245 .235	.196 .190	.426 .420	.012 .006

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.0030	.0762	.0380	.9652	.0760	1.930	.1680	4.267
.0040	.1016	.0390	.9906	.0910	2.311	.1695	4.305
.0060	.1524	.0410	1.041	.0925	2.350	.1850	4.699
.0070	.1778	.0420	1.067	.0930	2.362	.1900	4.826
.0100	.2540	.0430	1.092	.0950	2.413	.1950	4.953
.0120	.3038	.0450	1.143	.0980	2.489	.1960	4.978
.0150	.3810	.0465	1.181	.1020	2.591	.2080	5.283
.0180	.4572	.0480	1.219	.1065	2.705	.2160	5.486
.0220	.5588	.0540	1.372	.1080	2.743	.2180	5.537
.0230	.5842	.0555	1.410	.1390	3.531	.2320	5.893
.0260	.6604	.0600	1.524	.1450	3.683	.2350	5.969
.0270	.6858	.0610	1.549	.1500	3.810	.2450	6.223
.0275	.6985	.0615	1.562	.1515	3.848	.4200	10.67
.0335	.8509	.0625	1.588	.1550	3.937	.4260	10.82
.0355	.9017	.0630	1.600	.1590	4.039	.6360	16.15
.0365	.9271	.0645	1.638	.1650	4.191	.6630	16.84

TABLE II. DESIGN CHARACTERISTICS.

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE
	1ST	2ND	3RD		
610	BLUE	BROWN	BLACK	23	22
611	BLUE	BROWN	BROWN	20	20
612	BLUE	BROWN	RED	16	16
613	BLUE	BROWN	ORANGE	12	12

TABLE III. TOOLS.

WIRE BARREL SIZE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL	
				WIRED	UNWIRED
22	M22520/2-01	M22520/2-13	M81969/16-04	M81969/16-04	M81969/30-01
20	M22520/2-01	M22520/2-14	M81969/16-01	M81969/16-01	M81969/30-02
16	M22520/2-01	M22520/2-15	M81969/16-02	M81969/16-02	M81969/30-03
12	M22520/1-01	M22520/1-09	M81969/16-03	M81969/16-03	M81969/30-04