

REV.
A

AS29600/23

RATIONALE

REVISION IS REQUIRED TO REMOVE ALL GOVERNMENT/WORD FOR WORD CONVERSION INFORMATION, TO CORRECT DIMENSIONAL ERROR IN TABLE 1 FOR DIMENSION "C" (BIN CODE 608), TO CORRECT ALL DOCUMENT REFERENCES, AND TO UPDATE DOCUMENT TO LATEST SAE FORMAT GUIDELINES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS29600 AND AS39029.

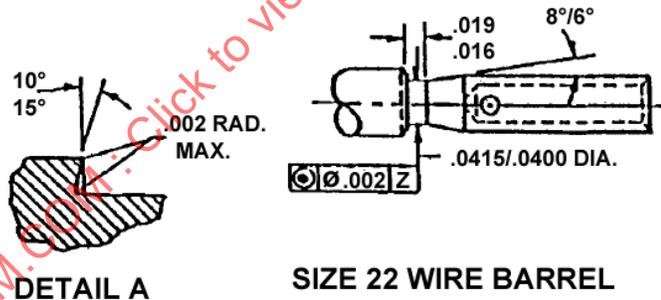
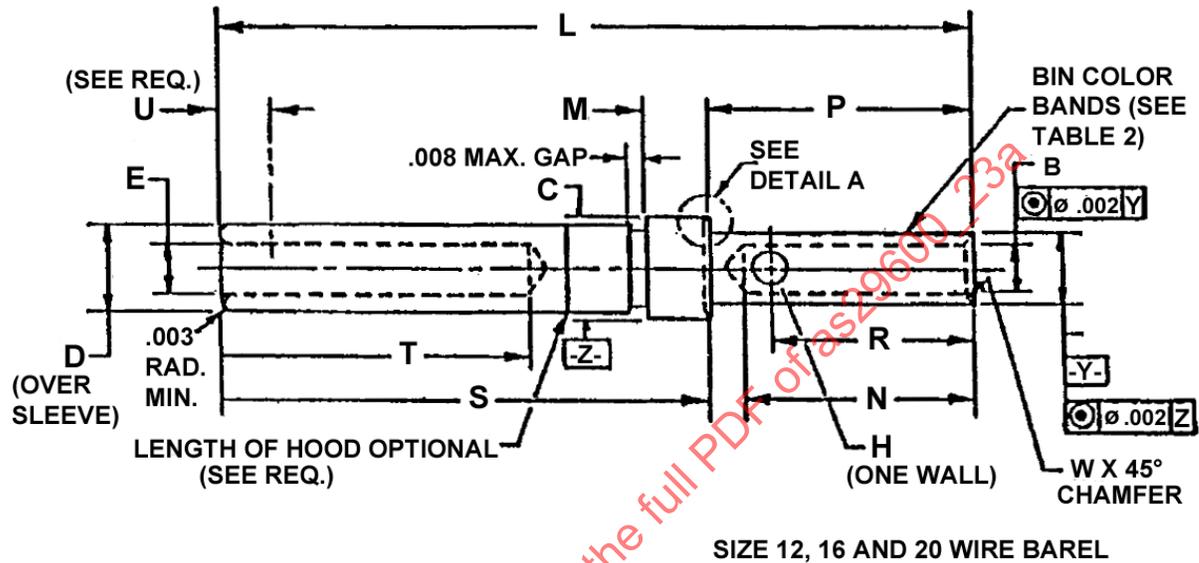
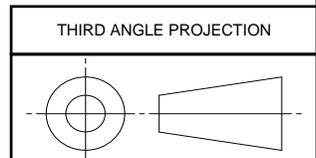


FIGURE 1 - CONNECTOR CONFIGURATION AND DIMENSIONS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS29600/23A>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS29600



AEROSPACE STANDARD

(R) CONTACTS, SOCKET, CRIMP REMOVABLE, CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENT RESISTANT, (FOR AS29600 SERIES B)

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SHEET 1 OF 3

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TABLE 1 - FIGURE 1 DIMENSIONS

BIN CODE	A DIA.	B DIA.	C DIA.	D MAX. DIA.	E MIN. DIA. ONLY	H DIA.	L (REFERENCE)	M
606	.0480 (1.219) .0465 (1.181)	.0355 (0.9017) .0335 (0.8509)	.0555 (1.410) .0540 (1.372)	.055 (1.397)	.0280 (0.7112)	.022 (0.5588) .018 (0.4572)	.937 (23.80)	.445 (11.30) .425 (10.80)
607	.0615 (1.562) .0600 (1.524)	.0450 (1.143) .0430 (1.092)	.0760 (1.930) .0745 (1.892)	.076 (1.930)	.0415 (1.054)	.027 (0.6858)		.395 (10.03) .375 (9.525)
608	.0925 (2.350) .0910 (2.311)	.0645 (1.638) .0625 (1.588)	.1080 (2.743) .1065 (2.705)	.108 (2.743)	.0640 (1.626)	.023 (0.5842)		.370 (9.398)
609	.1515 (3.848) .1500 (3.810)	.1020 (2.591) .0980 (2.489)	.1695 (4.305) .1680 (4.267)	.169 (4.293)	.0955 (2.426)	.042 (1.067) .038 (0.9652)		.954 (24.23)

TABLE 1A - FIGURE 1 DIMENSIONS (CONTINUED)

BIN CODE	N	P	R	S	T	U MAX.	W (CHAMFER)	
606	.155 (3.937) .145 (3.683)	.218 (5.537) .208 (5.283)	.145 (3.683) .139 (3.531)	.726 (18.44) .712 (18.08)	.250 (6.350) .190 (4.826)	.038 (0.9652)	.006 (0.1524) .003 (0.0762)	
607	.195 (4.953)		.165 (4.191)		.360 (9.144)		.045 (1.143)	.007 (0.1778) .004 (0.1016)
608	.185 (4.699)		.159 (4.039)		.270 (6.858)		.050 (1.270)	.010 (0.2540) .006 (0.1524)
609	.232 (5.893) .216 (5.486)		.245 (6.223) .235 (5.969)		.196 (4.978) .190 (4.826)			.360 (9.144) .250 (6.350)

TABLE 2 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE
	1ST	2ND	3RD		
606	BLUE	BLACK	BLUE	23	22
607	BLUE	BLACK	VIOLET	20	20
608	BLUE	BLACK	GRAY	16	16
609	BLUE	BLACK	WHITE	12	12

TABLE 3 - TOOLS

WIRE BARREL SIZE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOLS	
				WIRED	UNWIRED
22	M22520/2-01	M22520/2-16	M81969/16-04	M81969/16-04	M81969/30-01
20	M22520/2-01	M22520/2-17	M81969/16-01	M81969/16-01	M81969/30-02
16	M22520/2-01	M22520/2-18	M81969/16-02	M81969/16-02	M81969/30-03
12	M22520/1-01	M22520/1-10	M81969/16-03	M81969/16-03	M81969/30-04

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS29600 AND AS39029.

1. DESIGN:

CONNECTORS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLES 1 AND 2. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. METRIC EQUIVALENTS ARE GIVEN FOR INFORMATION PURPOSES ONLY AND ARE BASED ON 1 INCH = 25.4 MILLIMETERS.

2. TOOLS: SEE TABLE 3.

3. MATING CONTACTS: AS29600/24.

4. MATERIALS:

MATERIAL: BASE-CONDUCTIVE COPPER ALLOY. PLATING IN ACCORDANCE WITH AS29600. TEMPERATURE: -65 TO +175 °C.

5. MECHANICAL:

DURABILITY: 1500 CYCLES.

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	(R) CONTACTS, SOCKET, CRIMP REMOVABLE, CONNECTORS, ELECTRICAL, CIRCULAR, MINIATURE, COMPOSITE, HIGH DENSITY, QUICK COUPLING, ENVIRONMENT RESISTANT, (FOR AS29600 SERIES B)		