AMP

CORPORATE PRODUCT APPROVALS

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April 20, 1987

Presented by Game Milligan at 4/27/87 meeting

Gene Milligan Magnetic Peripherals, Inc. OKM 150 P.O. Box 12313 Oklahoma City, OK 73157

Dear Gene:

Listed below are all the items that were involved in up-dating the ANSI X3.91M-1982 Storage Module Interface standard. As you will notice, a better dressing-up of the drawings now exists as well as better defining hole dimensions for hardware jackscrew guides and pin sockets. I believe also that these drawings as ravised, better represent a more generic approach to the SMD Industry.

deleted (not critical) became A2 (correction) (no difference; 1.687 O.K.) became A3 became A4. became A5 deleted (not critical) became A14 became A19 became A7 became A6 (changed by .002) became A13 (changed by .002) became A12 became A6 a₁₅ became A7 . became A10 became All deleted (same as A7) same as A1

deleted (same as A2

April 20, 1987 Page Two same as A5 same as A3 same as A2 same as A29 same as A30 827 same as A31 deleted (replaced by A26 by adding in male and female socket same as B drawing) became A27 (changed old A30 - error) added in polarizing pin and socket deleted (hole to outside edge) b₁ became B1 b2 became 86 b₄ became B5 (changed to .001) b₅ deleted (to the edge) became B4 (.019 difference - error) became B3 (changed by .001) b, became B2 bR deleted (calling out depth of hole in guide hardware) became B14 (B9 and B10 in old document revised) became B10 b11 deleted (same as B9) became B8 b₁₄ became B7 became B11 became B14 became B7 b₁₈ became BB became B10 became B16 became B15 b₂₁ became B12 (changed to .002)

b23

became B1

Gene Milligan

b24 deleted (outside edge)
b25 became B2
b26 became B5 (changed to .001)
b27 became B3 (changed to .001)
b28 deleted (old drawing should have been B6)
b29 became B6
b31 became B19
b32 became B20
b33 deleted (replaced by B23; added B22 dia.)
b34 deleted (replaced by B27)

became B30 (added in B29 min. thread depth)

Sincerely,

AMP Incorporated

Charles 10

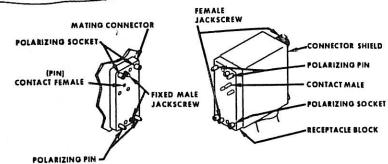
Charles Brill

Manager, Computer Standards

CB/bbk/m

AMERICAN NATIONAL STANDARD X3.91M-1982

FIGURES ON, WSTEAD OF
MANUSCRIPT



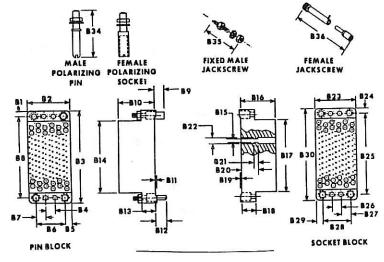
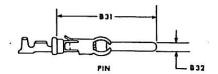
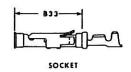


Fig. 3
CONTROL Round Cable Connectors





PC 17.



1	
	$\bigoplus_{i=1}^{3} \bigoplus_{j=1}^{2} \bigoplus_{i=1}^{3} \bigoplus_{j=1}^{4} \bigoplus_{i=1}^{4} \bigoplus_{j=1}^{4} \bigoplus_{j=1}^{4} \bigoplus_{i=1}^{4} \bigoplus_{j=1}^{4} \bigoplus_{j$
	+24 +27 +23 +26 +22 +25
	+30 + 29 + 28 + 31 + 31
	+36 +35 +34 +34 +37
	+ ⁴² + ⁴⁵ + ⁴¹ + ⁴⁴ + ⁴⁰ + ⁴³
	+** .51 +** .50 +** .49
	+54 +53 +52 +55 +60 +57 +53 +56 +55 +58 +58
	+60 +59 +58 62 67+64 +66+63 +58 62
7	
	78 180 1 79 76

Dimensions		Inches	Millimeters
b ₁		0.156	3.96
b,		1.110	28.19
b3		2.595	65.91
b ₄		0.235	5.97
b ₅		0.172	4.37
bo		0.785	19.93
b ₂		0.265	6.73
b _B		2.281	57.94
bo		0.915	23.24
b10		0.157	3.99
bit		0.011*	0.28*
b12		0.192	4.88
bis		0.365	9.27
b14	3.5	1.983	50.37
bis		0.115	2.92
b16		0.915	23.24
b ₁₇		1.983	50.37
b18		0.365	9.27
619		0.011*	0.28*
ban		0.554	14.07
b21		0.054	1.37
b22		0.129	3.28
b23		1.110	28.19
b24	₹ (68	0.156	3.96
b25		2.281	57.94
b16		0.235	5.97
b ₂₇		0.265	6.73
b28		0.766	19.46
b29		0.172	4.37
b 30		2.595	65.91
b31		0.797	20.24
b 32		0.062†	1.57†
b 33		0.529	13.44
b34		0.830	21.08
b 35		O.B15	20.70
ban		2.305	5B.55

NOTE: Circuit identification for pin block. Socket block identi-

fication is mirror image.

Fig. 3 - Continued

IN THESE COLUMNS
IN BRILL'S NEW
FIGURES
(SEE COVER, LETTER)

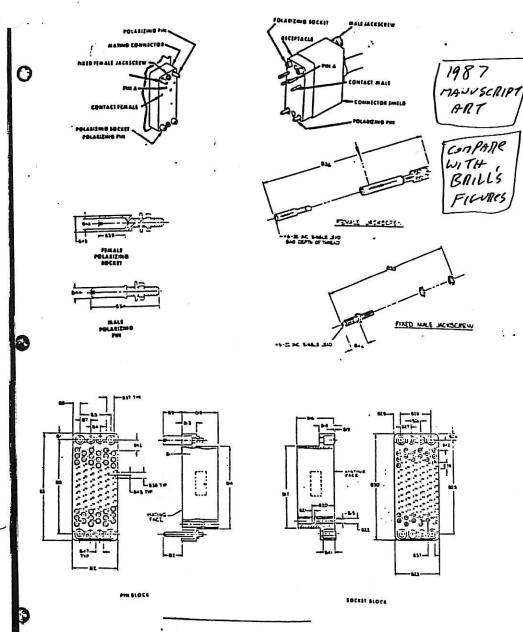


Fig. 3
CONTROL Round Cable Connectors

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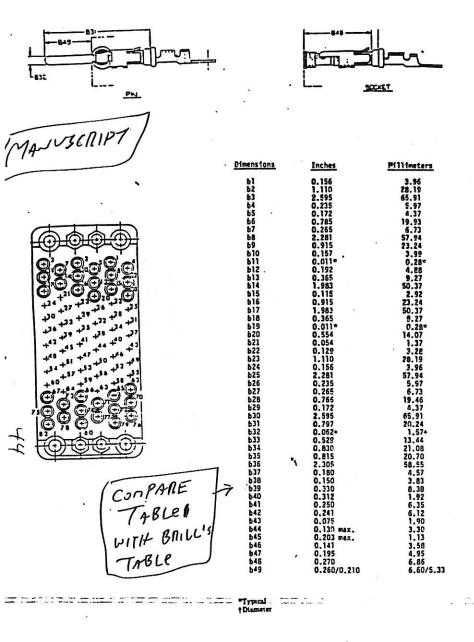
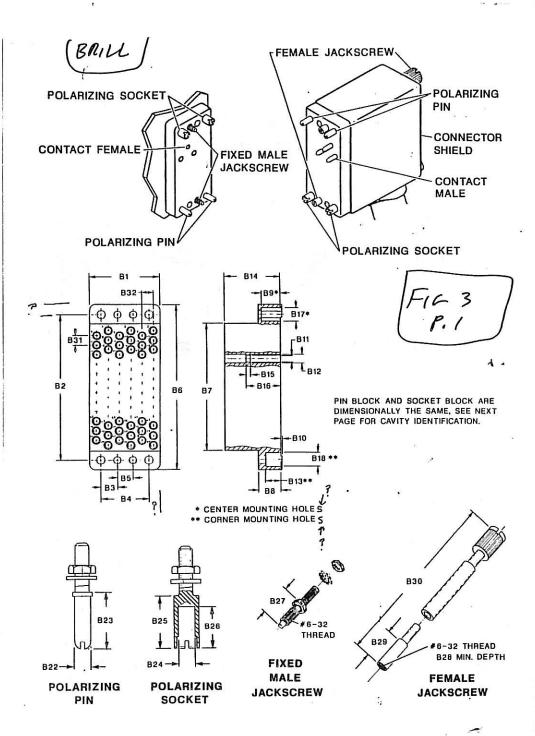


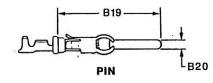
Fig. 3 - Continued

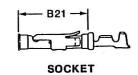
3 |





F16-3





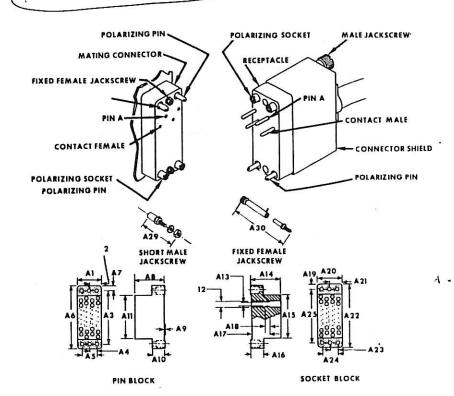
77	1 2 5 1 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

NOTE:	Circuit	identification	fo	r pin	block.	
Socket	block	Identification	is	mirro	r image.	

	DIMENSIONS	INCHES	MILLIMETERS
	B1	1.110	28.19
	B2	2.281	57.94
	B3	.266	6.75
	B4	.766-?	19.45 -?
	B5	.234 9	5.94
	B6	2.595	65.91
	B7	1.983	50.37
	B8	.365	9.27
?	B9	.300	7.62
•	B10	.011*	0.28*
	B11	.115	2.92
	B12	.131	3.33
	B13	.250	6.35
	B14	.915	23.24
	B15	.054	1.37
	B16	.554	14.07
	B17	.195	4.95
	B18	.234†	5.94†
	B19	.797	20.24
	B20	.062†	1.57†
	B21	.529	13.44
	B22	.130 Max.	t 3.30 Max.t
?	B23	.440	11.17
	B24	.133†	3.381
7	° B25	.405	10.29
	B26	.330	8.38
	B27	.465	11.81
	B28	.312	7.92
	B29	.485	12.32
	B30	2.305	58.55
	B31	.150*	3.81*
	B32	.180*	4.57*

^{*} Typical † Diameter





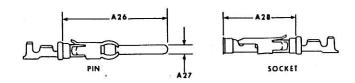


Fig. 6
READ/WRITE Round Cable Connectors

Dimensions	Inches	Millimeters
a ₁	0.750	19.05
22	0.375	9.53
a ₃	1.687	42.85
24	0.234	5.94
25	0.468	11.89
26	2.000	50.80
27	0.157	3.99
28	0.915	23.24
29	0.011*	0.28*
210	0.365	9.27
211	1.409	35.79
212	0.129	3.28
213	0.115	2.92
214	0.915	23.24
ais	1.409	35.79
a 16	0.365	9.27
a ₁₇	0.554	14.07
318	0.054	1.37
219	0.157	3.99
220	0.750	19.05
221	0.375	9.53
322	2.000	50.80
223	0.234	5.94
324	0.468	11.89
a ₂₅	1.687	42.85
226	0.797	20.24
227	0.062†	1.57†
278	0.529	13.44
829	1.643	41.73
2 30	0.837	21.26

*Typical †Diameter

NOTE: Cavity identification for pin block. Socket block identification is mirror image.

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Fig. 6 - Continued

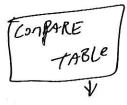
NOTE CHANGES IN
THESE COLUMNS IN
BRIGH'S NEW
FIENDES
(SEE COVER LETTER)

POLASIZMO PIN Gretifme social . Wert verrierim . MANUSCRIPT RESORMALI MCESCER CONTACT MALE COMTACT FEMALE POLANIMO DO CEST , POLANIMO POR FIXED FEMALE MESCHEW MILE MERSTERM FIN PLOCK STOPET BLOCK

Fig. 6
READ/WRITE Round Cable Connectors
3 4

SOCKET





6	\$	
	(H)	
	+ + + + + + + + + + + + + + + + + + +	
	V+ +X +V +W Z+ +X +Y +AA	
77	O	

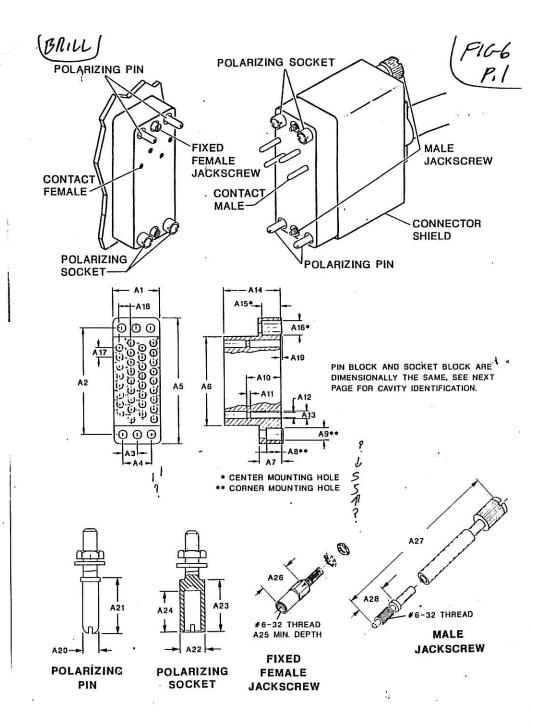
<u>Dimensions</u>	Inches	Hillimeters
al	0.750	19.05
82	0.375	9.53
83	1.687	42.85
84	0.234	5.94
a5	0.468	11.89
46	2.000	50.20
47	0.157	3.99
86	0.915	23.24
49	0.011*	0.28*
a10	0.365	9.27
all	1.409	35.79
e12	0.129	3.28
a13	0.115	2.92
614	0.915	23.24
a15	1.409	35.79
a16	0.365	9.27
a17	0.554	14.07
a18	0.054	1.37
419	0.157	3.99
820	0.750	19.05
a21	0.375	9.53
422	2.000	50.80
a23	0.234	5.94
824	0.468	11.89
a25	1.687	42.85
a26	0.797	20.24
a27 .	0.062+	1.57+
a28	0.529	13.44
a29	1.643	41.73
#30	0.237	21.26
a31	0.150	2.83
a32	0.160	4.57
a33	0.312	7.92
a34	0.187	4.75
a35	0.243	6.17
a36	0.400	10.16

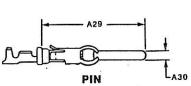
NOTE: Cavity identification for pin block. Socket block identification is mirror image.

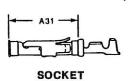
> *Typical †Diameter

Fig. 6 - Continued

35







35	
	9

DIMENSIONS	INCHES	MILLIMETERS
A1	.750	19.05
A2	1.686 - 7	42.85
A3	.234	5.94
A4	.468	11.89
A5	2.000	50.80
A6	1.411	35.84
A7	.365	9.27
AB	.250	6.35
. A9	.218†	5.54†
A10	.554	14.07
A11	.054	1.37
A12	.115	2.92
A13	.131	3.33
A14	.915	23.24
A15 ·	.300	7.62
A16 .	.195	4.95
A17	.150*	3.81*
A18	.180*	4.57*
A19	.011*	.28*
A20	.130Max.	t 3.30Max.t
A21	.440	11.17
A22	.141†	3.58
A23	.405	10.29
A24	.330	8.38
A25	.312	7.92
A26	.485	12.32
A27	2.285	58.04
A28	.465	11.81
A29	.797	20.24
A30	.062†	1.57
A31	.529	13.44

NOTE: Circuit identification for pin block. Socket block identification is mirror image.

* Typical † Diameter