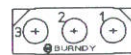


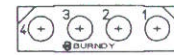
MATING FACE OF QIKMATE™ RECTANGULAR CONNECTOR



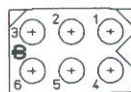
2 POSITIONS



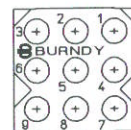
3 POSITIONS



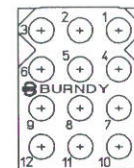
4 POSITIONS



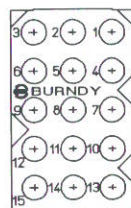
6 POSITIONS



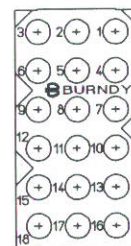
9 POSITIONS



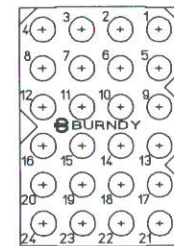
12 POSITIONS



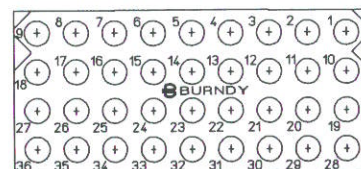
15 POSITIONS



18 POSITIONS

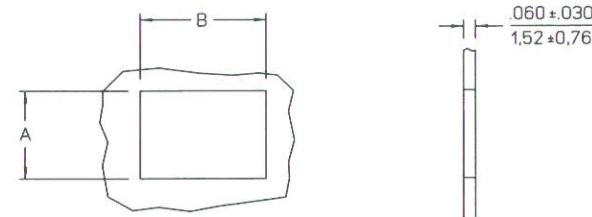


24 POSITIONS



36 POSITIONS

PANEL CUTOUT DIMENSIONS		
RECEPTACLE CONNECTOR CATALOG NUMBER	DIM A	DIM B
1 SMS/SMV2R-1	.455 [11,56]	.450 [11,43]
1 SMS/SMV3R-1	.455 [11,56]	.650 [16,51]
1 SMS/SMV4R-1	.455 [11,56]	.850 [21,19]
1 SMS/SMV6R-1	.655 [16,64]	.650 [16,51]
1 SMS/SMV9R-1	.655 [16,64]	.850 [21,19]
1 SMS/SMV12R-1	.655 [16,64]	1.050 [26,67]
1 SMS/SMV15R-1	.655 [16,64]	1.250 [31,75]
1 SMS/SMV18R-1	.655 [16,64]	1.450 [36,83]
1 SMS/SMV24R-1	.855 [21,72]	1.450 [36,83]
1 SMS/SMV36R-1	1.050 [26,67]	1.855 [47,12]



NOTES: UNLESS OTHERWISE SPECIFIED

- 1 INTERPRET THIS DRAWING IN ACCORDANCE WITH ANSI Y14.5M-1982.
- 2 CONTACT DESIGNATIONS SHOWN APPEAR ON BOTH MATING FACE AND WIRE FACE OF CONNECTOR.
- 3 CONNECTOR IS U.L. COMPONENT RECOGNIZED FILE E31151 (250 VOLT RATED), GUIDE NO. RTRT-2.
- 4 CONNECTOR IS CSA CERTIFIED FILE 39151 (250 VOLT RATED).
- 5 SMV__P/R-1 ASSEMBLIES AVAILABLE IN NATURAL (WHITE) ONLY.

MATERIAL

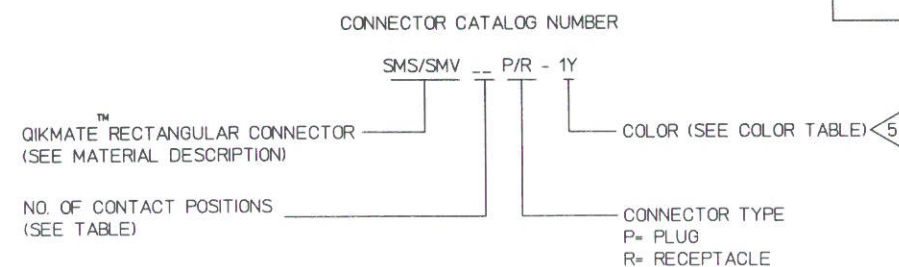
SMS__P/R-1: NYLON PER MIL-M-20693A, UL94V-2 (COLOR: SEE COLOR TABLE).

SMV__P/R-1: NYLON UL94V-0, (COLOR-NATURAL [WHITE])

PERFORMANCE CHARACTERISTICS	
CHARACTERISTICS	PERFORMANCE
OPERATING TEMPERATURE	-55°C TO 105°C
INSULATION RESISTANCE	5000 MEGOHMS AT 500 VOLTS D.C.
TEST POTENTIAL(1 MIN DURATION) AT SEA LEVEL	2000 VOLTS A.C.
CONTACT RETENTION IN CONNECTOR (MIN.)	10 POUNDS
CONNECTOR MATING FORCES	2 POSITIONS - 1 POUND 3 POSITIONS - 1 POUND 6 OUNCES 4 POSITIONS - 2 POUNDS 6 POSITIONS - 3 POUNDS 9 POSITIONS - 4 POUNDS 6 OUNCES 12 POSITIONS - 6 POUNDS 15 POSITIONS - 7 POUNDS 6 OUNCES 18 POSITIONS - 9 POUNDS 24 POSITIONS - 12 POUNDS 36 POSITIONS - 18 POUNDS
HUMIDITY (240 HRS. AT 40°C, 90-95% R.H.)	MEETS INSULATION RESISTANCE AND TEST VOLTAGE REQUIREMENTS
VIBRATION (PER MIL-STD-202 METHOD 204)	NO CRACKING OF DIELECTRIC OR LOOSENING OF CONTACTS, NO DISCONTINUITY GREATER THAN 10 MICROSECONDS
SHOCK (PER MIL-STD-202B METHOD 213 COND. A)	NO CRACKING OF DIELECTRIC OR LOOSENING OF CONTACTS, NO DISCONTINUITY GREATER THAN 10 MICROSECONDS
DURABILITY	SHALL WITHSTAND 500 MATINGS AND UNMATINGS
WORKING VOLTAGE	750 VOLTS (SEE NOTES 3 AND 4)

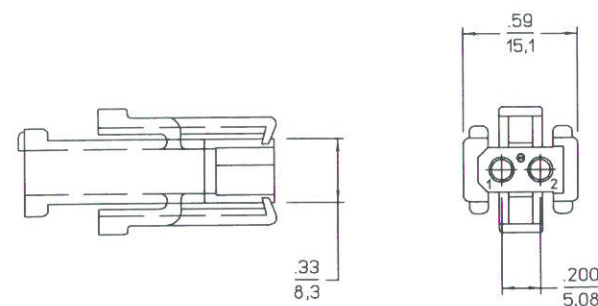
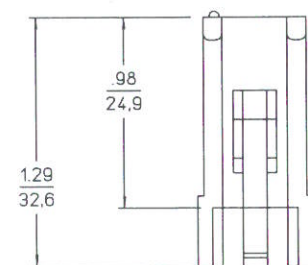
SUPERSEDES SE72097 REV.15

COLOR TABLE		
COLOR	SUFFIX LETTER	
	SMS___	SMV___
NATURAL (WHITE)	A	BLANK
BLACK	BLANK	
BLUE	B	
GREEN	G	
RED	R	
YELLOW	Y	

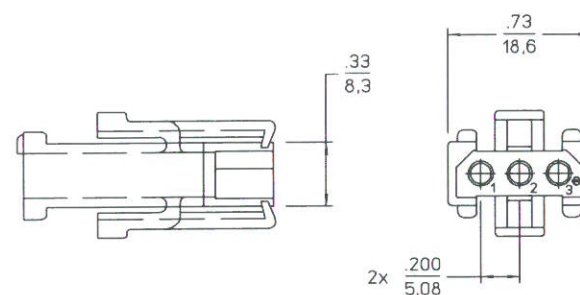
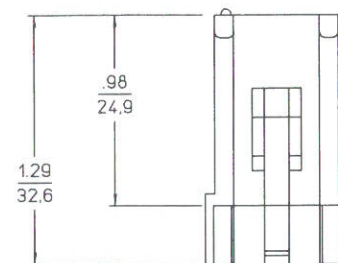


LINEAR MEASURE:	INCH	mm	INCH	mm
THIRD ANGLE PROJECTION				
TOLERANCES - UNLESS OTHERWISE SPECIFIED				
NO. OF DECIMAL PLACES IN INCHES	INCH	mm		
ONE PLACE	±.1	±3		
TWO PLACES	±.02	±0.5		
THREE PLACES	±.005	±0.13		
ANGLES	±°			

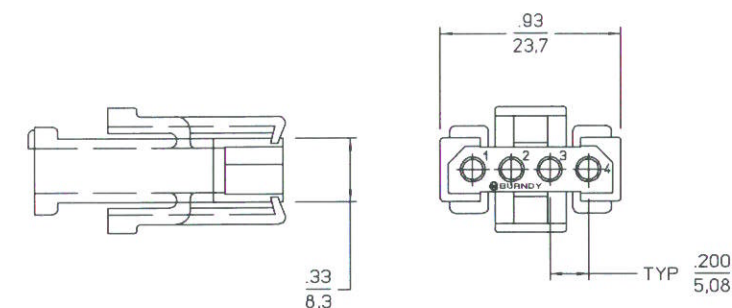
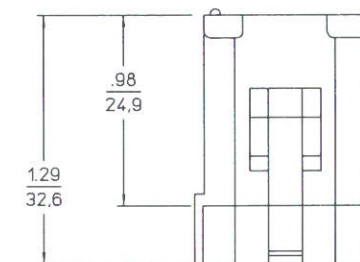
16	REDRAWN ON CAD TO E SIZE WITH NO CHANGE (ECN 3129)	DET	PEP	10-27-94
REV	REVISION DESCRIPTION	BY	CHKD	DATE
QIKMATE™ RECTANGULAR CONNECTOR				
CAT NO SMS/SMV__P/R-1 (SEE TABLE)				
DWG RELEASED TO CENTRAL FILE 10-28-94				
CAGE NO 09922 ECN 3129 PC 732				
© BURNDY CORPORATION 1993				
APPROVED	DRWN JOHN B 1-27-79	CHKD SFP 03-14-79	DSGN D.L. 3-22-79	
REVIEW				
VAL	MKT MG 10-27-94			
AL	QC SJ 10-27-94			
DRAWING SCALE 2:1				
DRAWING NO REV				
SE72097 16				
SHEET 1 OF 7				



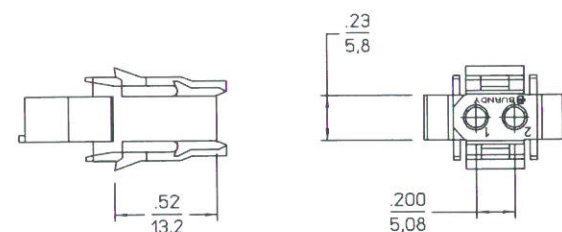
PLUG CONNECTOR
SMS/SMV2P-1---



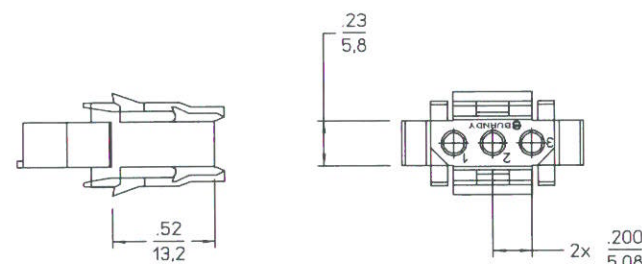
PLUG CONNECTOR
SMS/SMV3P-1---



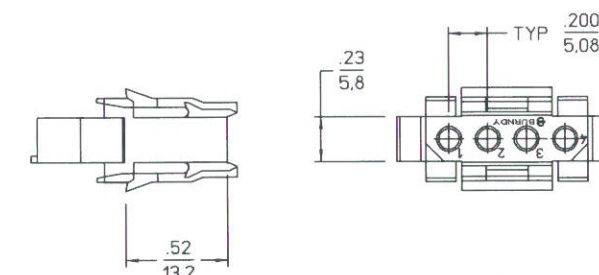
PLUG CONNECTOR
SMS/SMV4P-1---



RECEPTACLE CONNECTOR
SMS/SMV2R-1---




RECEPTACLE CONNECTOR
SMS/SMV3R-1---

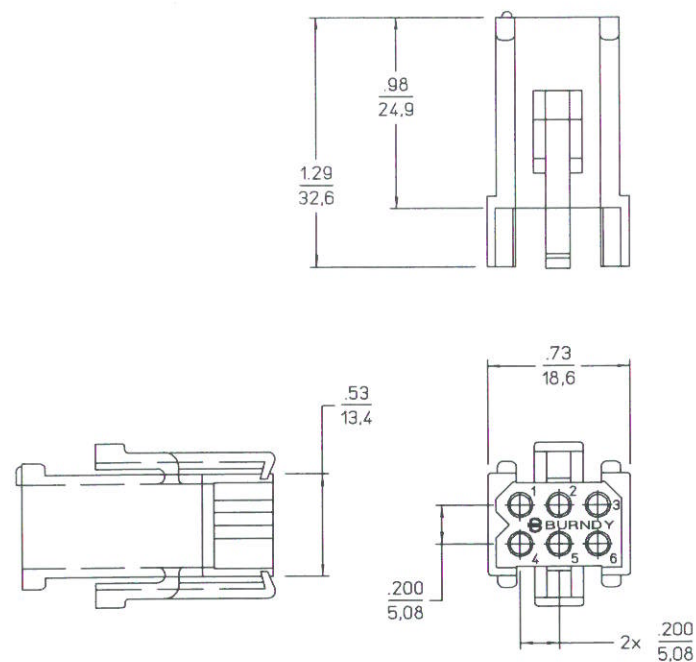


RECEPTACLE CONNECTOR
SMS/SMV4R-1---

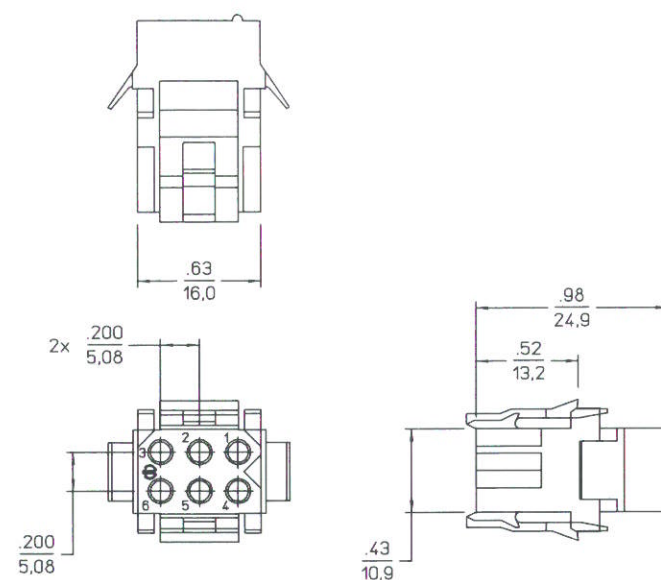
LINEAR MEASURE: INCH [mm]	
THIRD ANGLE PROJECTION	
- TOLERANCES - UNLESS OTHERWISE SPECIFIED	
NO OF DECIMAL PLACES IN INCHES	INCH [mm]
ONE PLACE	±.1 [.3]
TWO PLACES	±.02 [.5]
THREE PLACES	±.005 [.13]
ANGLES ±1°	

—		ALL REVISIONS RECORDED ON SH 1		—		—		—	
REV		REVISION DESCRIPTION			BY		CHKD	DATE	
QIKMATE TM RECTANGULAR CONNECTOR									
CAT NO SMS/SMV_P/R-1 (SEE TABLE SHEET 1)									
DWG RELEASED TO CENTRAL FILE 10-28-94					APPROVAL	DRWN D. THOMMEN			
CAGE NO 09922		ECN 3129		PC 732		CHKD SFP 02-02-78			
© BURNDY CORPORATION 1993						DSGN RPS 02-02-78			
						MKT MG 10-27-94			
						QC SJ 10-27-94			
 SOURIAU Cabletronics Inc. - France					DRAWING SCALE 2:1				
					DRAWING NO			REV	
					SE72097			16	
SHEET 2 OF 7									

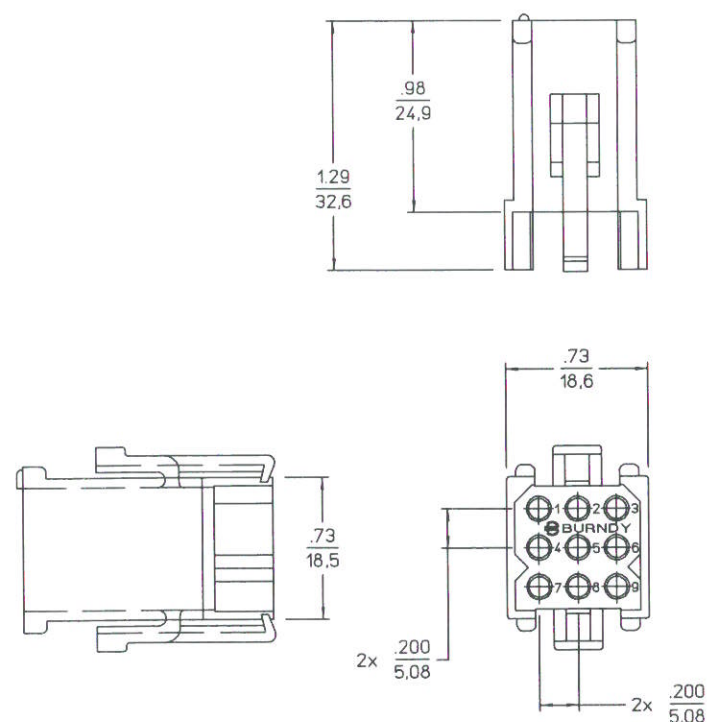




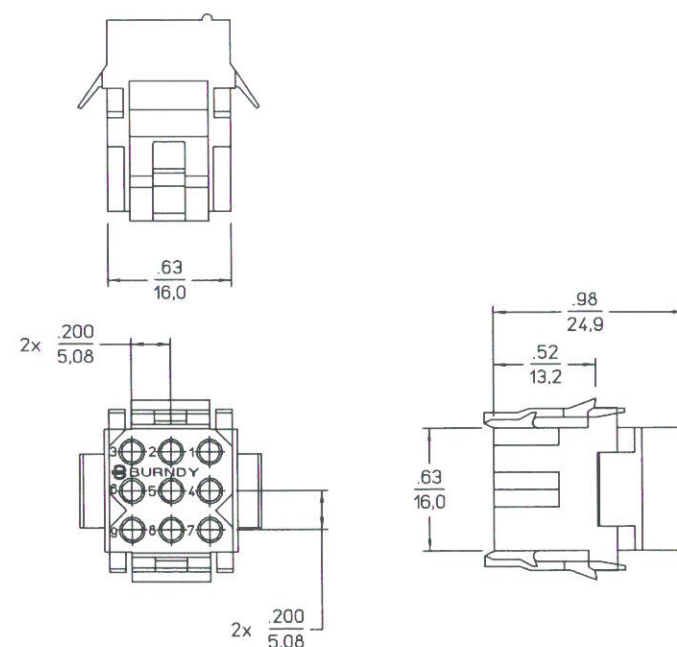
PLUG CONNECTOR
SMS/SMV6P-1_




RECEPTACLE CONNECTOR
SMS/SMV6R-1_



PLUG CONNECTOR
SMS/SMV9P-1_



RECEPTACLE CONNECTOR
SMS/SMV9R-1_

LINEAR MEASURE:		INCH mm	INCH (mm)
THIRD ANGLE PROJECTION			
			
- TOLERANCES -			
UNLESS OTHERWISE SPECIFIED			
NO OF DECIMAL PLACES IN INCHES		INCH (mm)	
ONE PLACE		±.1 [.3]	
TWO PLACES		±.02 [.5]	
THREE PLACES		±.005 [.13]	
ANGLES ±1°			

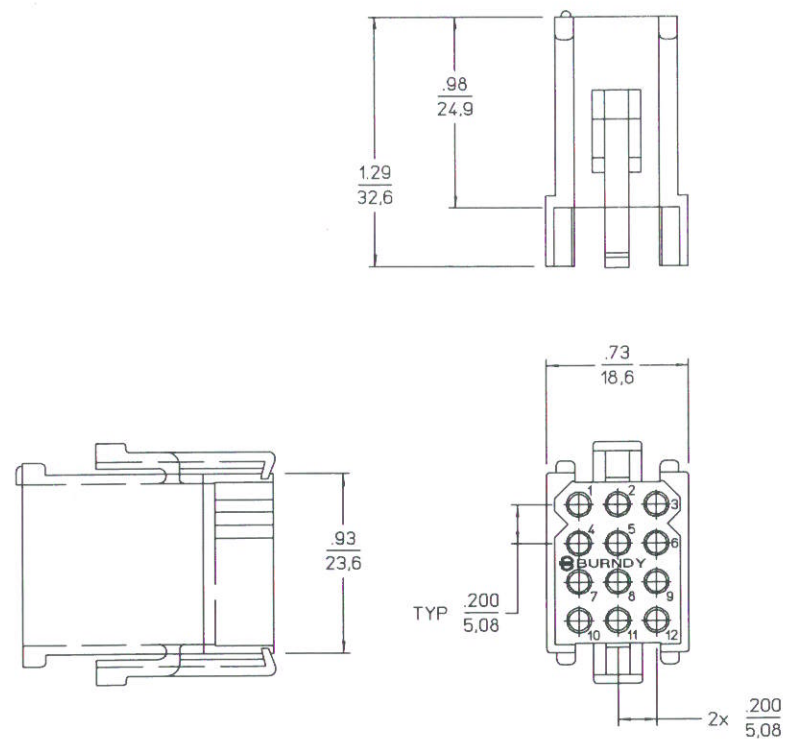
ALL REVISIONS RECORDED ON SH 1			
REV	REVISION DESCRIPTION	BY	CHKD DATE

QIKMATE™ RECTANGULAR CONNECTOR

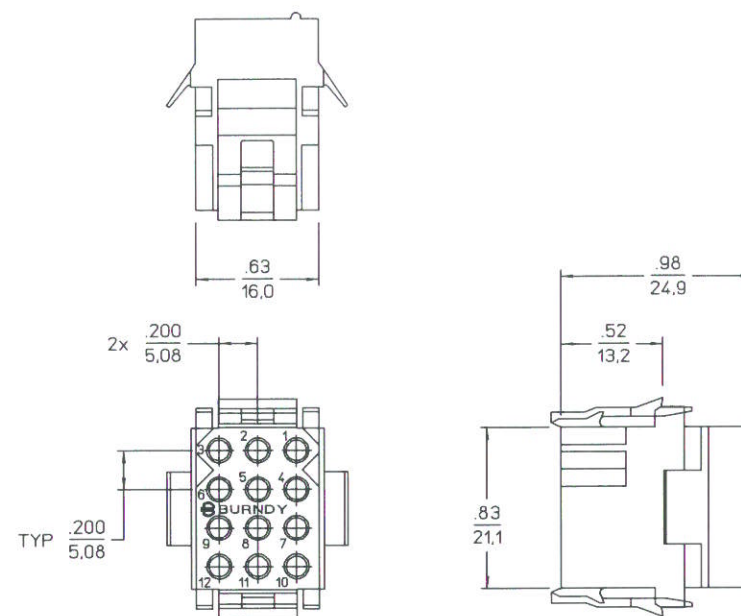
CAT NO SMS/SMV_P/R-1 (SEE TABLE SHEET 1)

DWG RELEASED TO CENTRAL FILE 10-28-94				DRWN	JOHN B. 1-30-79
CAGE NO 09922	ECN 3129	PC 732		CHKD	SFP 03-14-79
© BURNDY CORPORATION 1993				DSGN	D.L. 03-22-79
				MKT	MO 10-27-94
				QC	SJ 10-27-94
				DRAWING SCALE 2:1	
				DRAWING NO	REV
				SE72097	16
SHEET 3 OF 7					

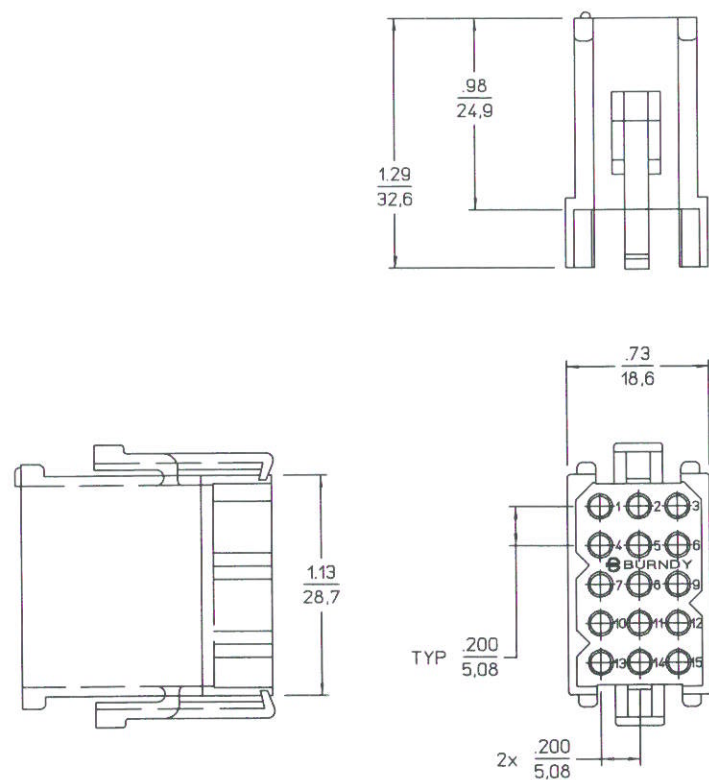




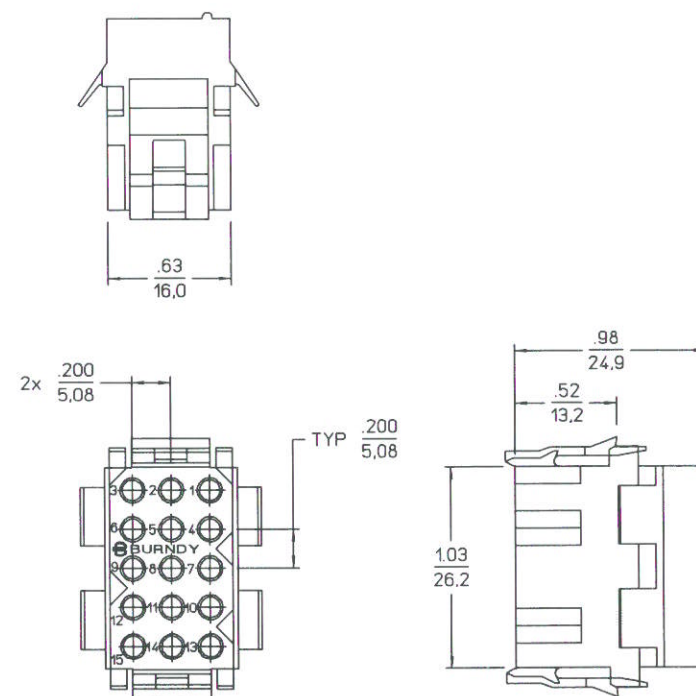
PLUG CONNECTOR
SMS/SMV12P-1---



RECEPTACLE CONNECTOR
SMS/SMV12R-1---



PLUG CONNECTOR
SMS/SMV15P-1---



RECEPTACLE CONNECTOR
SMS/SMV15R-1---

LINEAR MEASURE: INCH mm INCH (mm)	
THIRD ANGLE PROJECTION	
- TOLERANCES -	
UNLESS OTHERWISE SPECIFIED	
NO OF DECIMAL PLACES IN INCHES	INCH (mm)
ONE PLACE	±.1 (±3)
TWO PLACES	±.02 (±0.5)
THREE PLACES	±.005 (±0.13)
ANGLES ±1°	

ALL REVISIONS RECORDED ON SH 1	BY	CHKD	DATE
REV	REVISION DESCRIPTION		

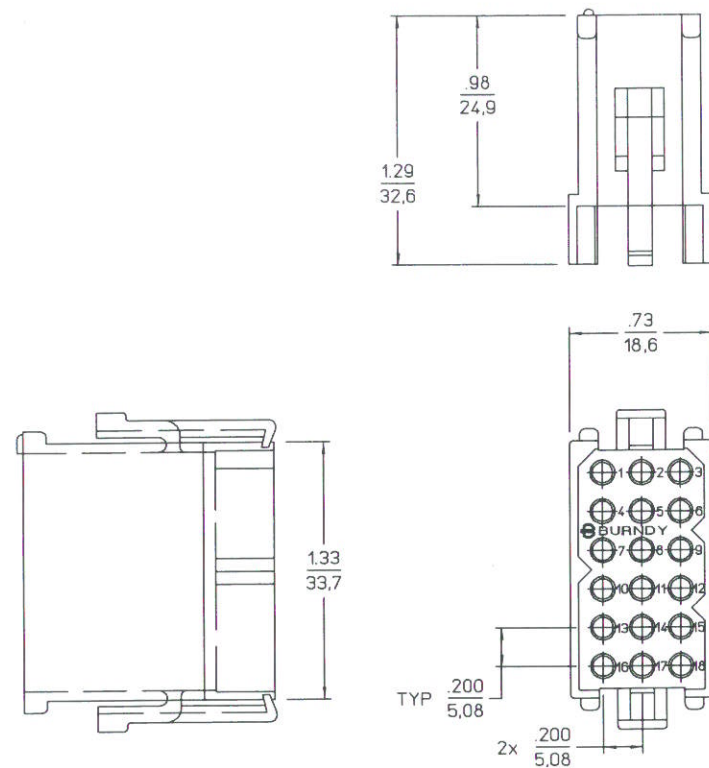
QIKMATE™ RECTANGULAR CONNECTOR

CAT NO SMS/SMV_P/R-1 (SEE TABLE SHEET 1)

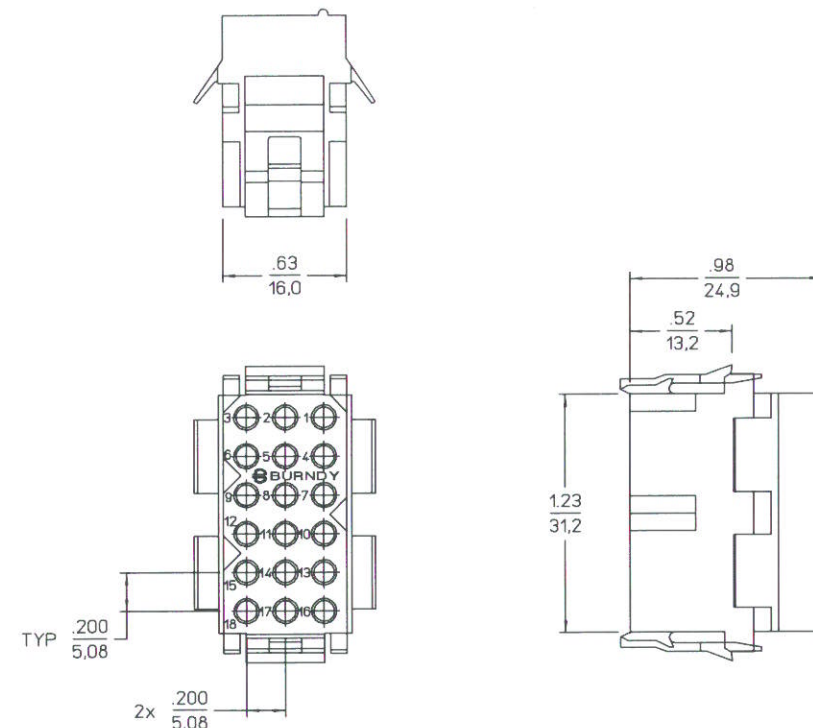
DWG RELEASED TO CENTRAL FILE 10-27-94	DRWN JOHN B. 2-1-79
CAGE NO 09922 ECN 3129 PC 732	CHKD SFP 03-14-79
© BURNDY CORPORATION 1993	DSGN D.L. 03-22-79
	MKT MQ 10-27-94
	QC SJ 10-27-94



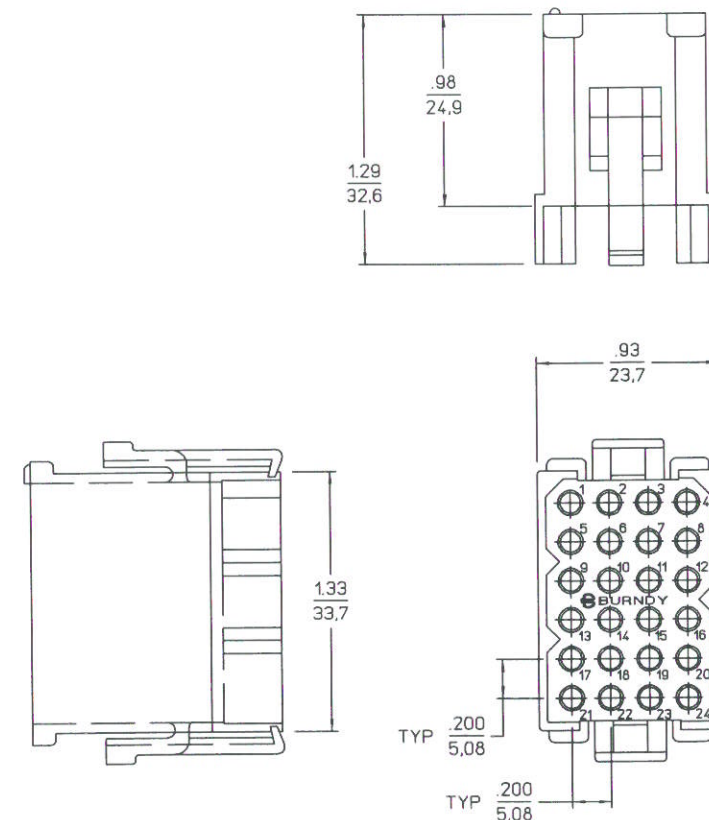
DRAWING NO	REV
SE72097	16
SHEET 4 OF 7	



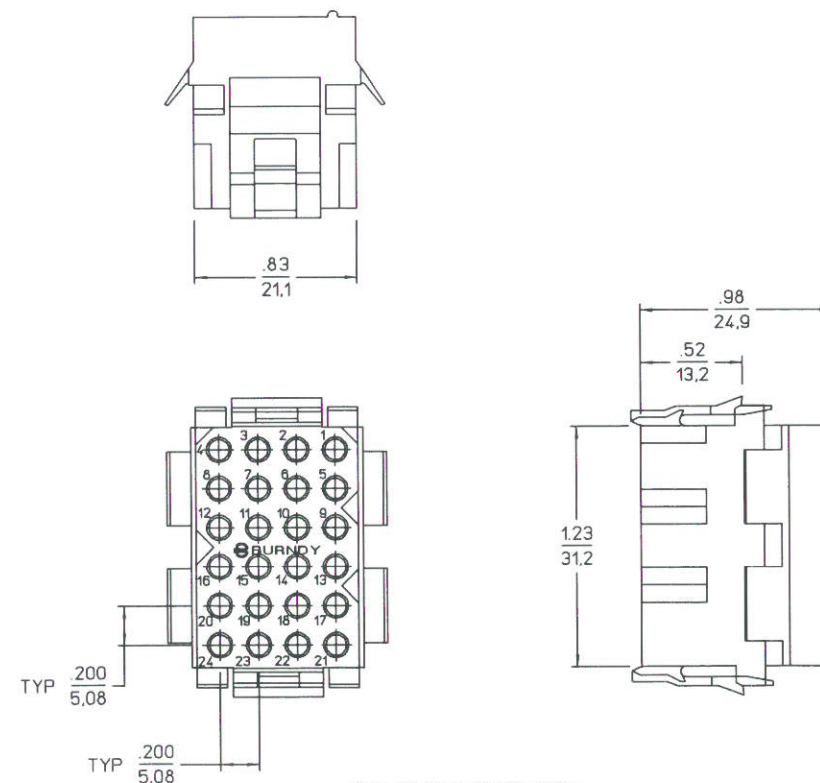
PLUG CONNECTOR
SMS/SMV18P-1---




RECEPTACLE CONNECTOR
SMS/SMV18R-1---



PLUG CONNECTOR
SMS/SMV24P-1---

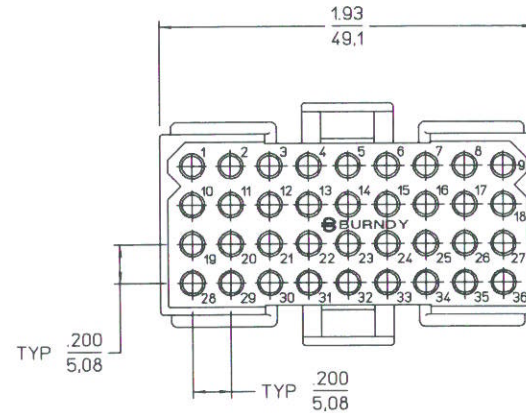
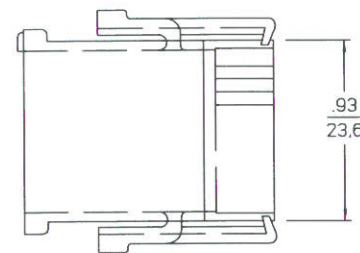
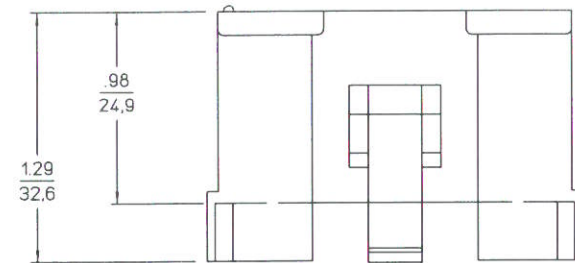


RECEPTACLE CONNECTOR
SMS/SMV24R-1---

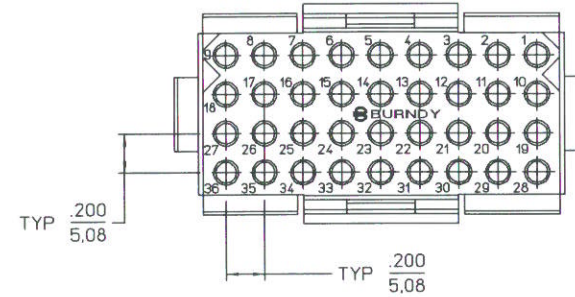
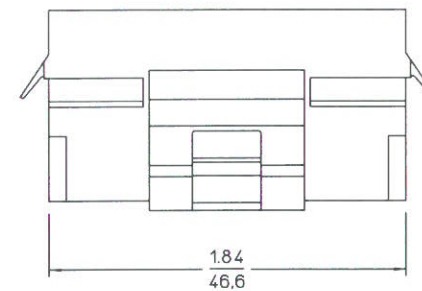
LINEAR MEASURE:		INCH mm	INCH [mm]
THIRD ANGLE PROJECTION			
			
- TOLERANCES -			
UNLESS OTHERWISE SPECIFIED			
NO OF DECIMAL PLACES IN INCHES		INCH [mm]	
ONE PLACE		±.1 [±3]	
TWO PLACES		±.02 [±0.5]	
THREE PLACES		±.005 [±0.13]	
ANGLES ±1°			

ALL REVISIONS RECORDED ON SH 1				—	—	—
REV	REVISION DESCRIPTION			BY	CHKD	DATE
QIKMATE™ RECTANGULAR CONNECTOR						
CAT NO SMS/SMV_P/R-1 (SEE TABLE SHEET 1)						
DWG RELEASED TO CENTRAL FILE 10-28-94				A P P R O V E D	DRWN CEB 02-27-79	
CAGE NO 09922		ECN 3129	PC 732		CHKD SFP 03-14-79	
© BURNDY CORPORATION 1993					DSGN D.L. 03-22-79	
					MKT MG 10-27-94	
					QC SJ 10-27-94	
				DRAWING SCALE 2:1		
				DRAWING NO		REV
				SE72097		16
				SHEET 5 OF 7		

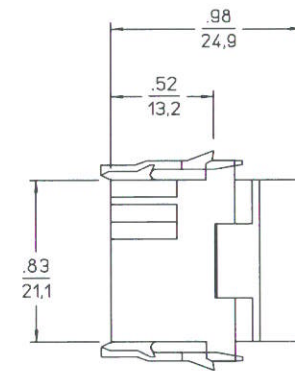




PLUG CONNECTOR
SMS/SMV36P-1_



RECEPTACLE CONNECTOR
SMS/SMV36R-1_



—	ALL REVISIONS RECORDED ON SH 1	—	—	—
REV	REVISION DESCRIPTION	BY	CHKD	DATE

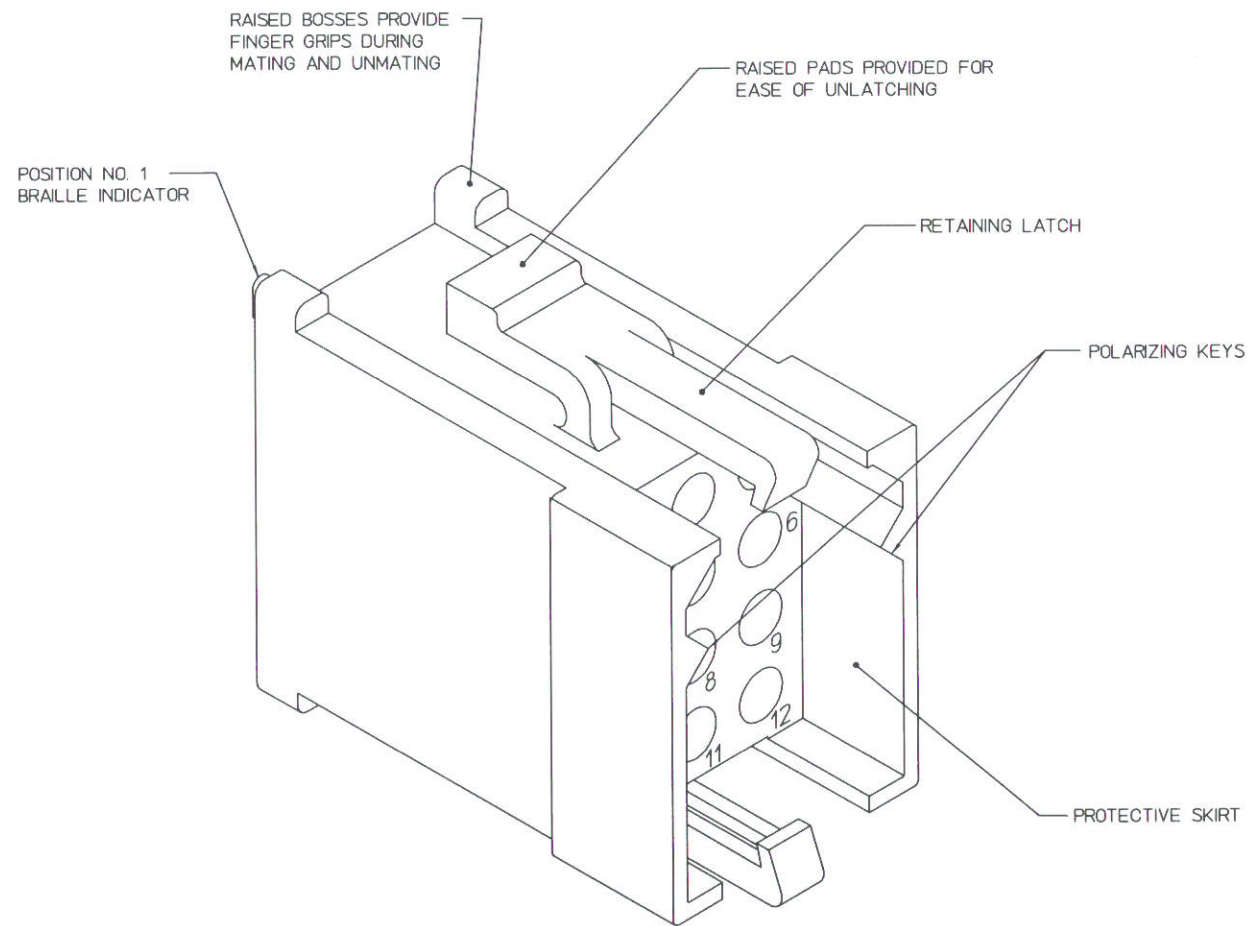
QIKMATE™ RECTANGULAR CONNECTOR

CAT NO SMS/SMV_P/R-1 (SEE TABLE SHEET 1)

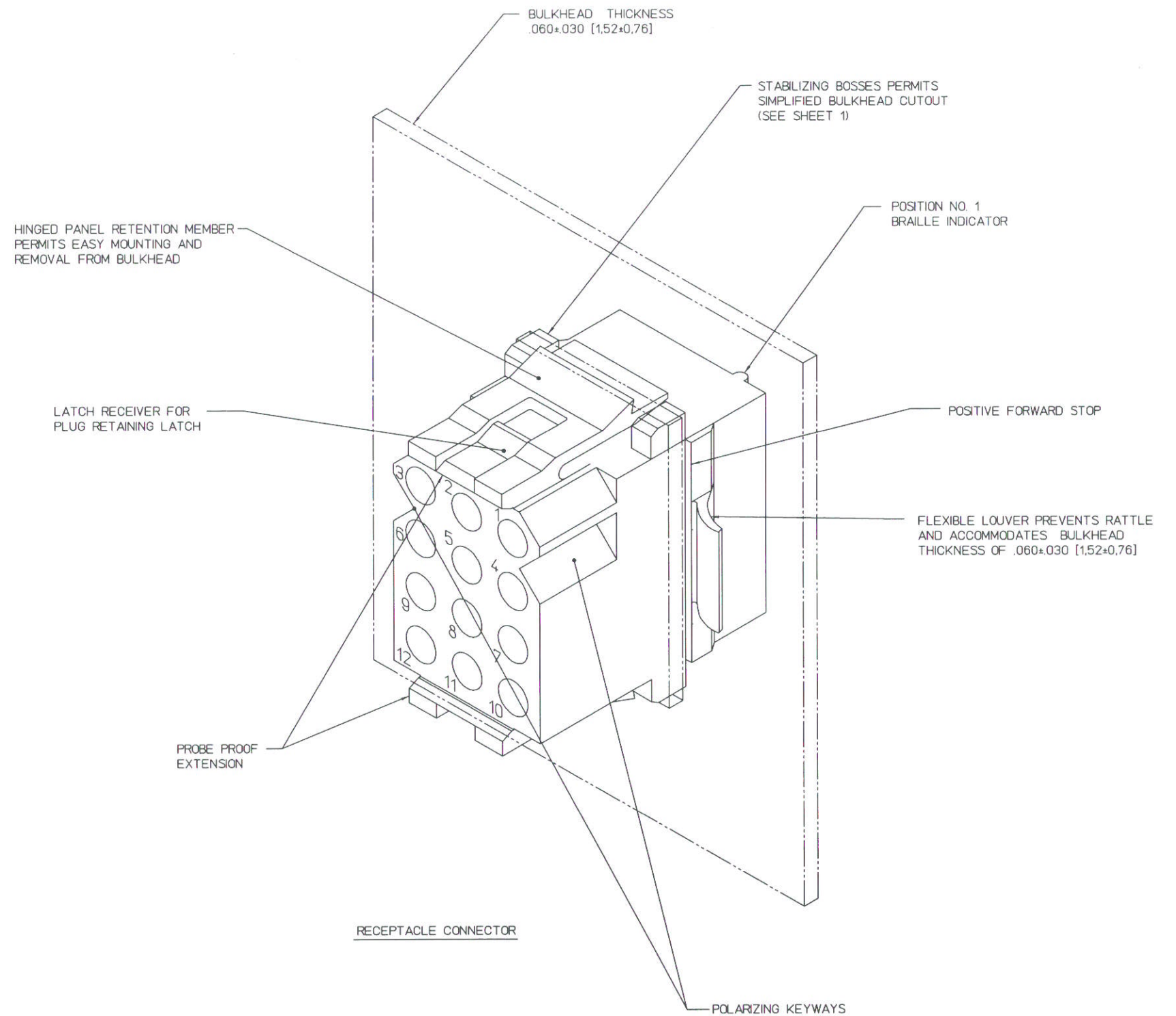
LINEAR MEASURE:	INCH mm	INCH (mm)
THIRD ANGLE PROJECTION		
- TOLERANCES -		
UNLESS OTHERWISE SPECIFIED		
NO OF DECIMAL PLACES IN INCHES	INCH (mm)	
ONE PLACE	±.1 (±3)	
TWO PLACES	±.02 (±0.5)	
THREE PLACES	±.005 (±0.13)	
ANGLES	±1°	

DWG RELEASED TO CENTRAL FILE 10-27-94	DRWN JOHN B 2-1-79
CAGE NO 09922 ECN 3129 PC 732	CHKD SFP 03-14-79
© BURNDY CORPORATION 1993	DSGN D.L. 03-22-79
	MKT MG 10-27-94
	QC SJ 10-27-94
	DRAWING SCALE 2:1
	DRAWING NO REV
	SE72097 16
	SHEET 6 OF 7





PLUG CONNECTOR



RECEPTACLE CONNECTOR

LINEAR MEASURE: INCH [mm]	
THIRD ANGLE PROJECTION	
- TOLERANCES -	
UNLESS OTHERWISE SPECIFIED	
NO OF DECIMAL PLACES IN INCHES	INCH [mm]
ONE PLACE	±.1 [±3]
TWO PLACES	±.02 [±0.5]
THREE PLACES	±.005 [±0.13]
ANGLES ±1°	

— ALL REVISIONS RECORDED ON SH 1 —				
REV	REVISION DESCRIPTION	BY	CHKD DATE	
QIKMATE™ RECTANGULAR CONNECTOR				
CAT NO SMS/SMV__P/R-1__ (SEE TABLE SHEET 1)				
DWG RELEASED TO CENTRAL FILE 10-27-94		A P P R O V A L	DRWN POP 07-17-72	
CAGE NO 09922	ECN 3129		PC 732	CHKD RWO 07-19-72
© BURNDY CORPORATION 1993			DSGN RWO 07-19-72	
			MKT MG 10-27-94	
			QC SJ 10-27-94	
			DRAWING SCALE 4:1	
			DRAWING NO	REV
			SE72097	16
			SHEET 7 OF 7	



Mouser Electronics

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