



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

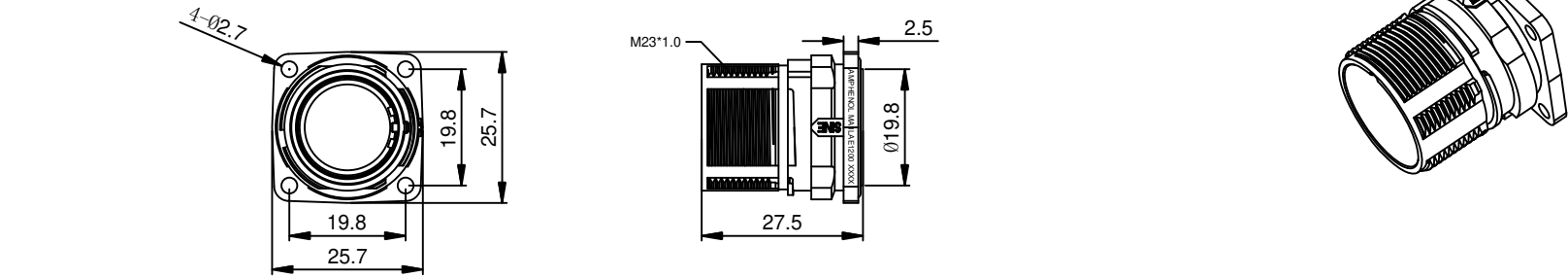
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	RELEASE NEW DWG FORMAT	Oct.06,2014	Tod	Tommy
A2	-	UPDATE THE DURABILITY	Jun.27,2015	Drack	Tommy
A3	-	UPDATED	04DEC15	MRF	Tommy



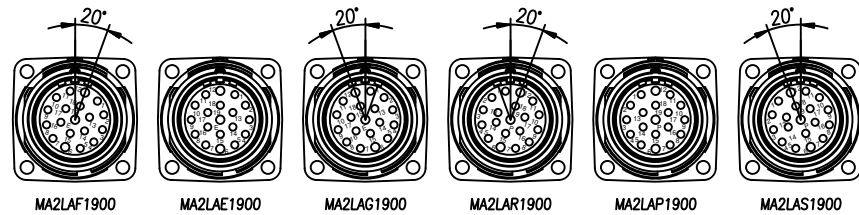
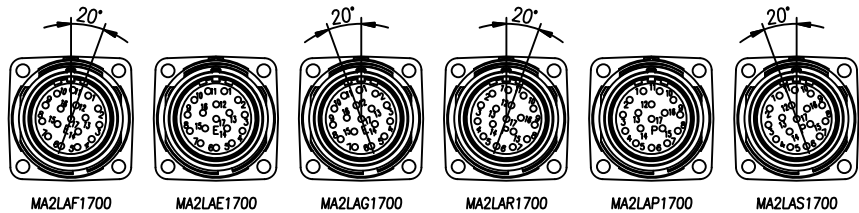
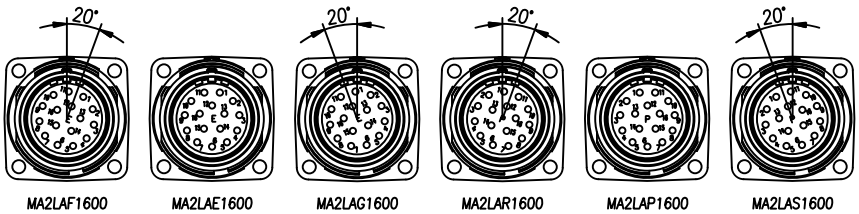
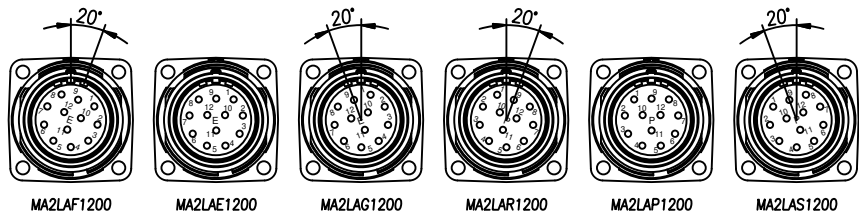
MOUNTING HOLE

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
INSULATION INSERT: PA66,UL94 V0
SEAL: VITON
HOUSING BODY: ZINC DIE CAST, NICKEL PLATED

2. SPECIFICATIONS:
- 2.1 CURRENT RATING: 10 AMPS - 12 POSITION
9 AMPS - 16 POSITION
9 AMPS - 17 POSITION
7 AMPS - 19 POSITION
- 2.2 VOLTAGE RATING: 160V AC/DC - 12 POSITION
125V AC/DC - 16 POSITION
125V AC/DC - 17 POSITION
63V AC/DC - 19 POSITION
- 2.3 OPERATING TEMPERATURE: -20°C TO +130°C
2.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 2500 VOLTS AC.
2.5 DEGREE OF PROTECTION: IP67 (MATED CONDITION)
2.6 DEGREE OF POLLUTION: 3 PER UL840
2.7 OVERVOLTAGE CATEGORY: III PER UL840
2.8 MATING CYCLE DURABILITY: >500 CYCLES
2.9 RoHS COMPLIANT

3. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.



-	MA2LAS1900	M23, RECP, ST, 19POS, P TYPE, KEYED "S"	27
-	MA2LAR1900	M23, RECP, ST, 19POS, P TYPE, KEYED "R"	26
-	MA2LAP1900	M23, RECP, ST, 19POS, P TYPE	25
-	MA2LAG1900	M23, RECP, ST, 19POS, E TYPE, KEYED "G"	24
-	MA2LAF1900	M23, RECP, ST, 19POS, E TYPE, KEYED "F"	23
-	MA2LAE1900	M23, RECP, ST, 19POS, E TYPE	22
			21
-	MA2LAS1700	M23, RECP, ST, 17POS, P TYPE, KEYED "S"	20
-	MA2LAR1700	M23, RECP, ST, 17POS, P TYPE, KEYED "R"	19
-	MA2LAP1700	M23, RECP, ST, 17POS, P TYPE	18
-	MA2LAG1700	M23, RECP, ST, 17POS, E TYPE, KEYED "G"	17
-	MA2LAF1700	M23, RECP, ST, 17POS, E TYPE, KEYED "F"	16
-	MA2LAE1700	M23, RECP, ST, 17POS, E TYPE	15
			14
-	MA2LAS1600	M23, RECP, ST, 16POS, P TYPE, KEYED "S"	13
-	MA2LAR1600	M23, RECP, ST, 16POS, P TYPE, KEYED "R"	12
-	MA2LAP1600	M23, RECP, ST, 16POS, P TYPE	11
-	MA2LAG1600	M23, RECP, ST, 16POS, E TYPE, KEYED "G"	10
-	MA2LAF1600	M23, RECP, ST, 16POS, E TYPE, KEYED "F"	9
-	MA2LAE1600	M23, RECP, ST, 16POS, E TYPE	8
			7
-	MA2LAS1200	M23, RECP, ST, 12POS, P TYPE, KEYED "S"	6
-	MA2LAR1200	M23, RECP, ST, 12POS, P TYPE, KEYED "R"	5
-	MA2LAP1200	M23, RECP, ST, 12POS, P TYPE	4
-	MA2LAG1200	M23, RECP, ST, 12POS, E TYPE, KEYED "G"	3
-	MA2LAF1200	M23, RECP, ST, 12POS, E TYPE, KEYED "F"	2
-	MA2LAE1200	M23, RECP, ST, 12POS, E TYPE	1
QUANTITY	PART NUMBER	DESCRIPTION	ITEM

MATERIALS LIST			
UNLESS OTHERWISE SPECIFIED 1) All dimensions are in metric(mm). 2) Tolerances are as follows: 1 PL DEC ±0.30 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference =		SIGNATURES DRAWN: Drack CHECKED: ENGINEER: APPROVAL:	DATE Jun.27,2015
MATERIAL SPECIFICATIONS:		CUSTOMER:	
PROCESS SPECIFICATIONS:		THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS.	
NEXT ASSY:		SCALE: NONE	
		SINE SYSTEMS - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036	
		M23, RECEPTACLE, STRAIGHT, CHECKMATE	
SIZE B	TYPE C-	DWG NO: MA2LAxxx00	REVISION A3
		SHEET 1	OF 1

TITLE: M23, RECEPTACLE, STRAIGHT, CHECKMATE
DWG NO: MA1LAxxx00
REV: A3
SH: 1
OF: 1