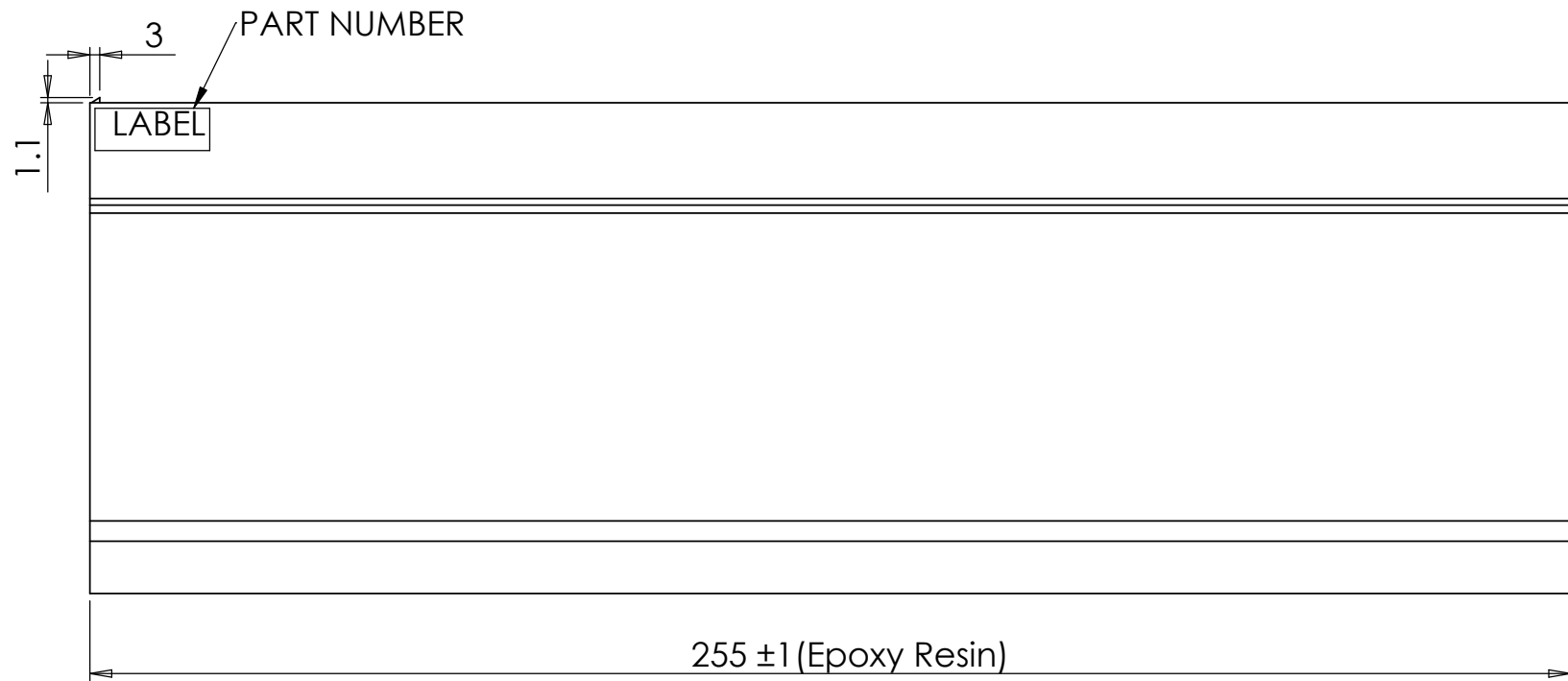
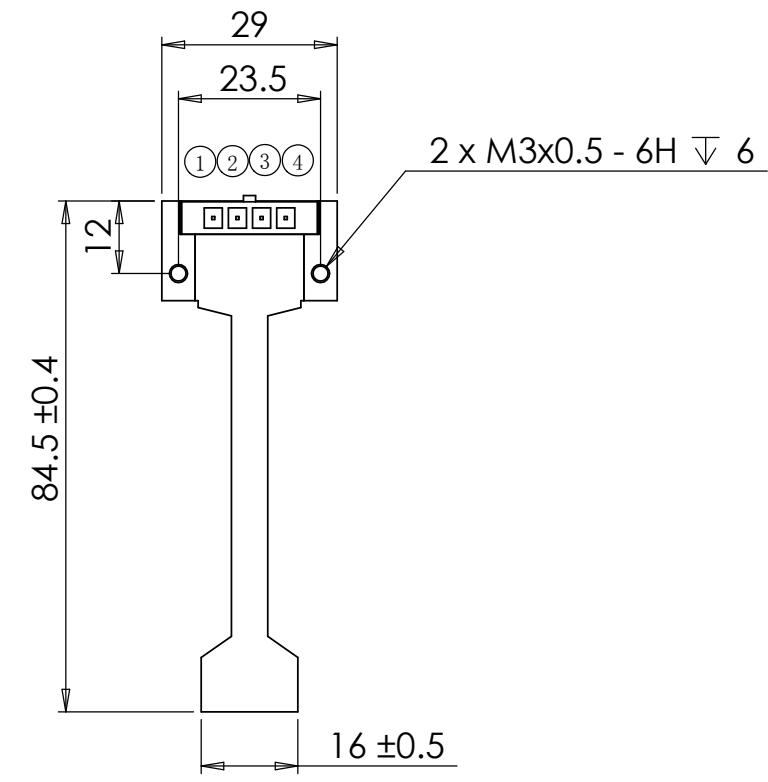
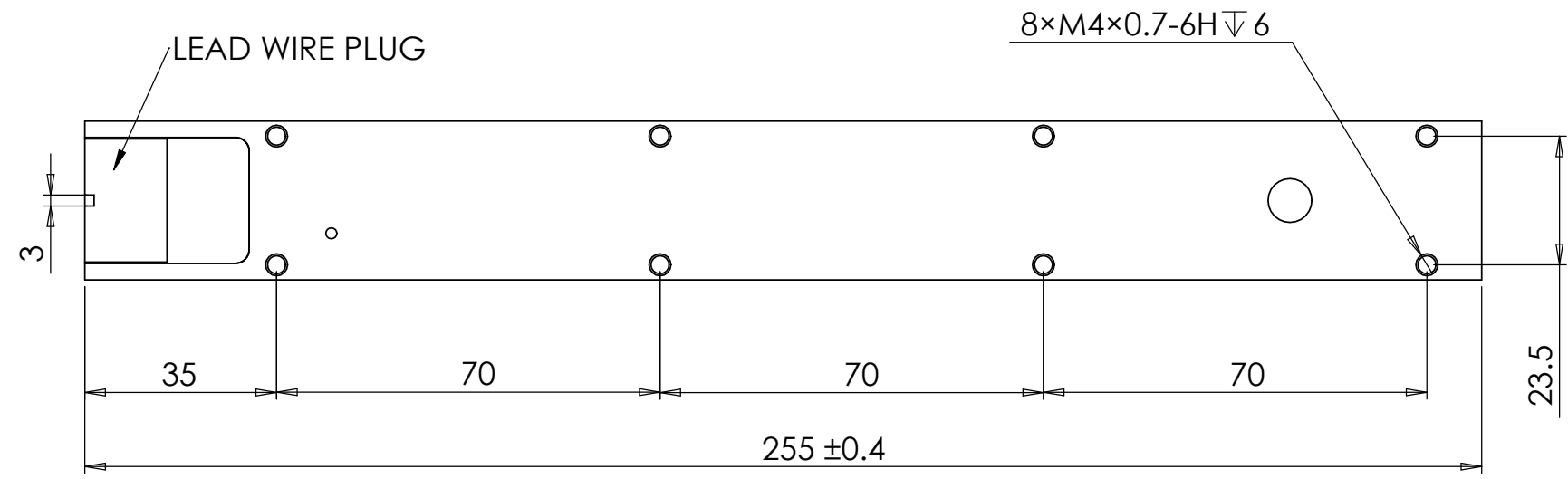


WINDING CONSTANT	TOL	SYM	UNITS	VALUE
RESISTANCE(P-P)@25°C	± 10%	R	OHMS	22.9
CURRENT @ Fp	NOMINAL	Ip	Arms	5.3
CURRENT @ Fc	NOMINAL	Ic	Arms	1.5
FORCE SENSITIVITY	± 10%	Kf	N/Arms	99
BACK EMF CONSTANT(P-P)	± 10%	Kb	Vrms/M/S	57.2
INDUCTANCE(P-P)	± 10%	L	mH	7.2
ACTUATOR PARAMETER		SYM	UNITS	VALUE
PEAK FORCE *		Fp	N	525
CONTINUOUS FORCE **		Fc	N	150
MOTOR CONSTANT		Ka	N/√w	16.9
ELECT TIME CONSTANT		Te	milli-sec	0.3
PEAK POWER		Pp	W	970
CONTINUOUS POWER		Pc	W	80
THERMAL RESISTANCE WITH HEAT SINK		θth	C / W	1
MAX WINDING TEMP		Tmax	C	120
WEIGHT OF COIL ASSEMBLY		WTc	g	930

\* 25C ambient, 120 °C coil temp, Additional heat sinking will improve rating.  
 \*\* Tested in additional heat sink (250\*250\*10)

REV	ECO NO.	DESCRIPTION	DRN	APP'D	DATE
X1	--	INITIAL RELEASE	LHM	SGM	09/08/12



1	U
2	V
3	W
4	GROUND

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Tongmao Electronics
DIMENSIONS ARE IN MM		DRAWN	LHM 09-08-12	
TOLERANCES: ±0.3		CHECKED		
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1982.		ENG APPR.	SGM 09-08-12	
		MFG APPR.		<b>TITLE:</b> <b>COIL ASSEMBLY</b>
DO NOT SCALE DRAWING		Q.A.		
		COMMENTS:		SIZE: A4 DWG. NO.: TMCB0150-260-000 REV: X1
		SCALE: 1: 1.2		SHEET 1 OF 1