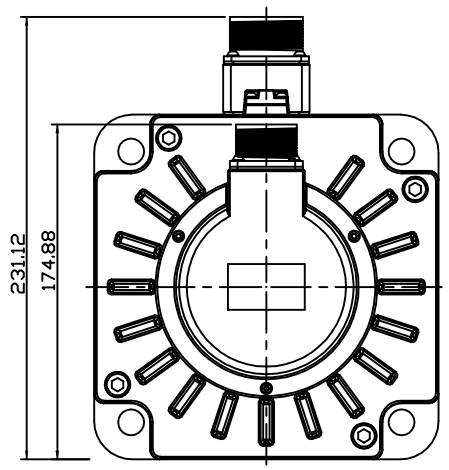
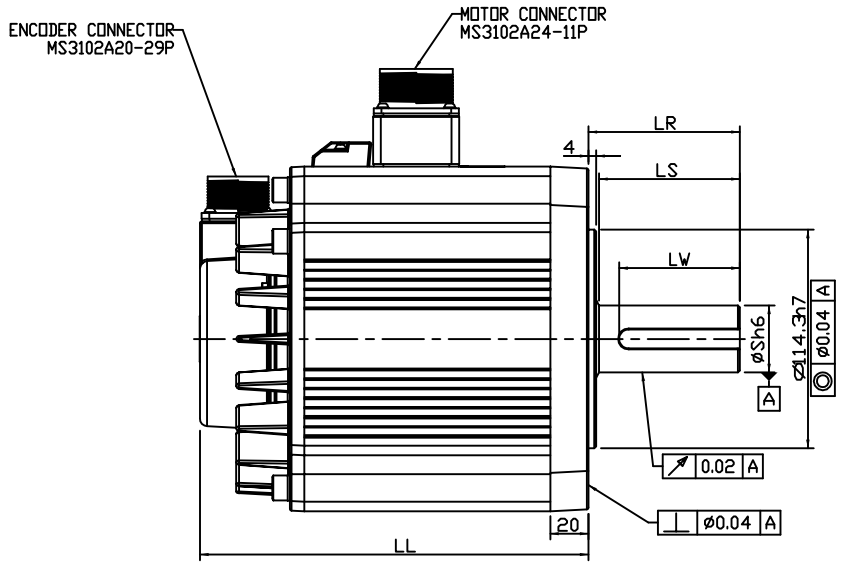
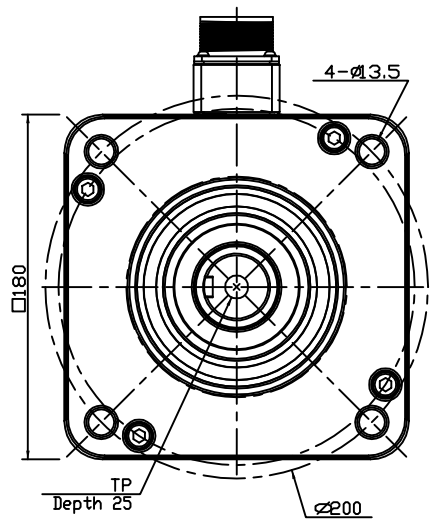
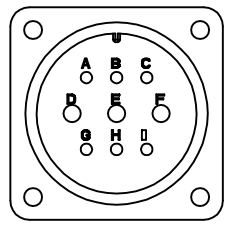


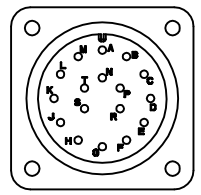


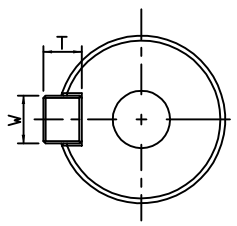


DIMENSION TABLE (MODEL WITH BRAKE)

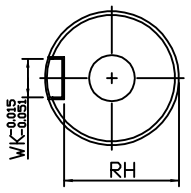
MODEL	LL	LR	LS	LW	S	LV	WK	W	T	RH	TP
ECMA-E□1820QS	203.1	79	73	63	35	—	10	10	8	30	M12XP1.75
ECMA-E□1820DS	203.1	79	73	—	35	—	10	10	8	30	M12XP1.75



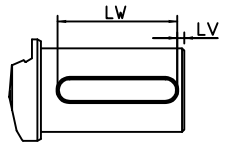




KEY DETAILS



SHAFT END DETAILS



ALTERNATIVE SHAFT KEYWAY TYPE

MOTOR CONNECTION	
PIN	FUNCTION
A	BRAKE
B	BRAKE
C	—
D	U PHASE
E	V PHASE
F	W PHASE
G	GND
H	—
I	—

ENCODER CONNECTION					
PIN	FUNCTION		PIN	FUNCTION	
	2500ppr	20bit		2500ppr	20bit
A	A	T+	K	—	—
B	$\bar{A}$	T-	L	SHIELD	SHIELD
C	B	BAT_5V	M	—	—
D	$\bar{B}$	BAT_GND	N	—	—
E	—	—	P	—	—
F	Z	—	R	GND	GND
G	$\bar{Z}$	—	S	DC+5V	DC+5V
H	—	—	T	—	—
J	—	—			

REV.	ECN NO.
V1.0	

台達電子工業股份有限公司
DELTA ELECTRONICS, INC.

Drawn: | Design:

Date: | ECN No.:

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DIMENSIONAL TOLERANCES

( )		( )		( )		( )		ANGLES	
DECIMALS	<50	±0.1	<50	±0.15	<50	±0.2	<30°	±0.1°
X	±0.3	>50~100	±0.15	>50~100	±0.2	>50~100	±0.25	30°~60°	±0.3°
X.X	±0.2	>100~200	±0.2	>100~200	±0.25	>100~200	±0.3	60°~90°	±0.5°
X.XX	±0.1	200~	±0.2%	200~	±0.25%	200~	±0.3%		

Drawing Name: ECMA-E□1820□S | A3 SIZE | THIRD ANGLE PROJECTION | Part No.: | REV. V1.0

USED ON XXXXXX | UNIT mm | SCALE —— | SHEET 1 OF 1

DF-MEA3H-3R00