

SHAFT DETAIL (NO SCALE)

OPTIONAL  
SHAFT SEAL  
ø24xø14x5

300±50  
[11.8±1.97]  
(LENGTH NOT  
TO SCALE)

300±50  
[11.8±1.97]  
(LENGTH NOT  
TO SCALE)

POWER CONNECTOR  
AMP 350779-1 HOUSING  
AMP 350218-3 PIN CONTACTS (U,V,W)  
AMP 350654-1 PIN CONTACT (GROUND)

ENCODER CONNECTOR  
AMP 172171-1  
AMP 770835-1 PIN CONTACTS

PIN-OUT		
ENCODER CONNECTOR		
PIN	FUNCTION	COLOR
1-6	-	-
7	EPWR	RED
8	ECOM + BAT-	BROWN/BLACK + BLACK
9	SHIELD	BLACK SHRINK
10-11	-	-
12	SD+	BLUE
13	SD-	BLUE/BLACK
14	BAT+	BROWN
15	-	-

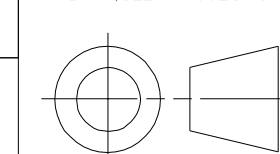
PIN-OUT		
POWER CONNECTOR		
PIN	FUNCTION	COLOR
1	U	RED
2	V	WHITE
3	W	BLACK
4	GROUND	YELLOW/GREEN

SPECIFICATIONS:

- MOTOR TYPE: 8 POLE, 3 PHASE, WYE WINDING, PERMANENT MAGNET ROTOR, TOTALLY ENCLOSED, NON VENTILATED.
- CONTINUOUS STALL TORQUE: 0.836 Nm (7.4 LB-IN) MAX AT 125°C WINDING TEMPERATURE, IN A 40°C AMBIENT, WHEN MOUNTED ON AN 10 INCH SQUARE X 1/4 INCH THICK ALUMINUM HEAT SINK.
- OPERATING SPEED: 5000 RPM MAX.
- Ke: 32±10% V/KRPM 0-PEAK (PHASE TO PHASE) AT 20-30°C.
- SERIAL ENCODER, WITH 16 BIT MULTI-TURN AND 17 BIT SINGLE TURN ABSOLUTE POSITION DATA.
- FOR ADDITIONAL SPECIFICATIONS SEE TLA220PBJ32AAESE.

01	1007016	SJ	RELEASED	—	—
REV	ECN	BY	REVISION DESCRIPTION	DATE	CHKR
UNLESS OTHERWISE SPECIFIED			DRAWN BY	DATE	DESIGN ENGR
DO NOT SCALE DRAWING			SJ	3-09-04	—
DIMENSIONS ARE IN MILLIMETERS			TL-A220P-BJ32AA,ESM		
WITH INCHES REFERENCED [X.X]					
UNTOLERANCED DIMENSIONS ARE REFERENCE					
THIRD ANGLE PROJECTION					

ProE Version 0 Modified 0  
DXF FILE AVAILABLE



PART NO.  
TLA220PBJ32AAESM  
SCALE : 1  
0.500  
DWG SIZE  
B  
SHEET  
1 OF 1