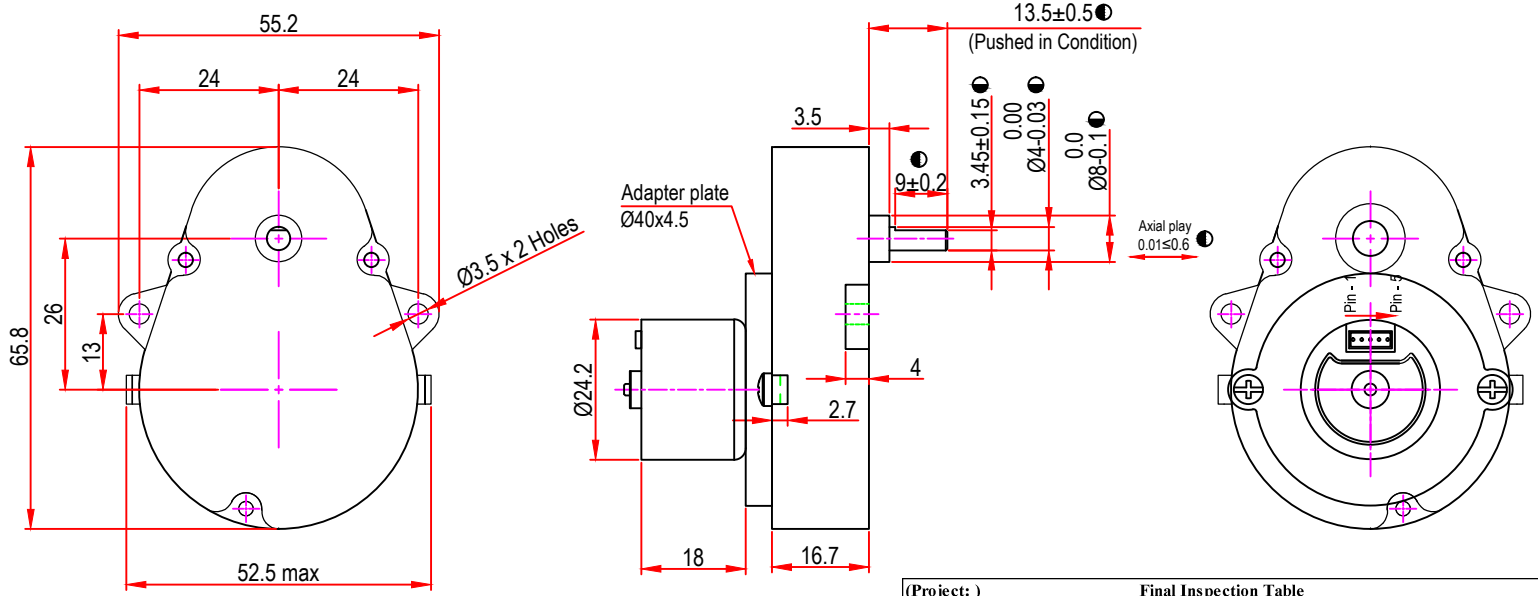
Pin No.	1	2	3	4	5
Description	GND	VCC	TACHO	PWM	DIR
Specification	Ground	24V DC	Hall Pulses	Speed- 0~9000 High-Stop/Low-Start	High-ACW Low-CW

Issue/RevNo	Revision note	Date	Signature	Checked
1.0	Original Issue	24/08/2019	-	-



Note : 1. Vcc(Pin2) and GND(Pin1) cannot be interchanged.
2. Motor starting method : Connect Pin2 to positive power supply, Pin1 and Pin4 to GND for starting the motor starts. Its default rotation is CCW. When you need to switch the direction, Connect Pin1, Pin 4 & Pin 5 at the same time to GND, then direction changes in CW.
3. Please make the CW/CCW switch only when the motor stops, to avoid the damage of internal electronic components.

Pin Configuration

Pin NO.	Signal	I/O	Remark
1	GND	IN	Supply Ground.
2	VCC	IN	Positive Supply 24Vdc.
3	Hall Sensor Output	OUT	VOH-2.5<U<5.0 at 5V(4.7kohms pullup),VOL-0.6V max, (Sink current)-3mA max. Open Collector Output 3 Pulses/Rotation.
4	Speed Contol PWM	IN	PWM Frequency 20Khz- 30Khz Input voltage (0-5.0V), VIH- Min 2.5V, VIL-Max 0.6V. Motor will rotate while pwm pin is low(gnd).
5	Direction Selection (CW / CCW)	IN	Input voltage (0-5.0V), VIH- Min 2.5V, VIL-Max 0.6V. Logic High 5Vdc Logic Low = 0Vdc Logic High = CCW Logic Low = CW

(Project:) Final Inspection Table

Sr. No.	Description	Method of Inspection	Acceptance Criteria
1	Supply Voltage	Test Bench	24 V DC
2	Reduction Ratio	Visual	450:1
3	O/P Direction from shaft end	Visual	Reversible
4	No load O/P Speed	Tachometer / Watch	20 rpm
5	No load Current	Test Bench	65 mA
6	Rated O/P Speed of Geared Motor	Tachometer / Watch	16.67 rpm
7	Current at rated speed	Test Bench	185 mA
8	Noise Level	Sound Chamber	≤ 65dB (A) measured at a distance of 100mm in an anechoic chamber
9	Shaft Type	Vernier / Micrometer	OS type shaft
10	Shaft Axial Play	Vernier	0.01 ≤ 0.6 mm
11	Bush	Visual / Vernier	Sintered Bronze or Brass Bush Ø8 x L3.5mm
12	ConnectorPosition	Visual	As per drawing

Description :
BI24GB5P-Casting, 24V DC, Rated Torque - 0.8Nm, OS Shaft

Motion Drivetronics Pvt Ltd

Itemref	Client	–	Article No./Reference
Designed by: -	Checked by: -	Approved by: -	Date: 24/08/2019 / Scale: do not scale

BRAND - MECHTEX
Navi Mumbai - 400 709.

DRAWING CODE : PIAND1T5P45BOSR00

F-MKT-022 | Assembly Drawing | Edition | Sheet 1 of 1