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NOTES (UNLESS OTHERWISE STATED):  
 RAW MATERIALS MUST MEET ROHS COMPLIANCE

VOLTAGE: 12V NOMINAL  
 RPM NO LOAD: 5RPM+/- .1 AT 12V  
 CURRENT NO LOAD: 100mA MAX  
 CURRENT STALL: 2000mA MAX  
 TORQUE RATED: 15KG-CM MIN (1.47 Nm) (13.01 inlb)  
 TORQUE STALL: 40KG-CM MIN (3.922Nm) (34.71 inlb)

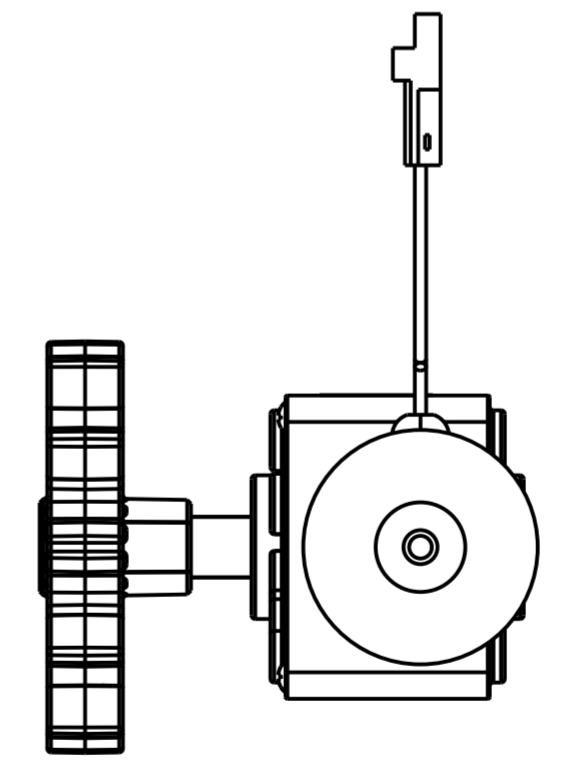
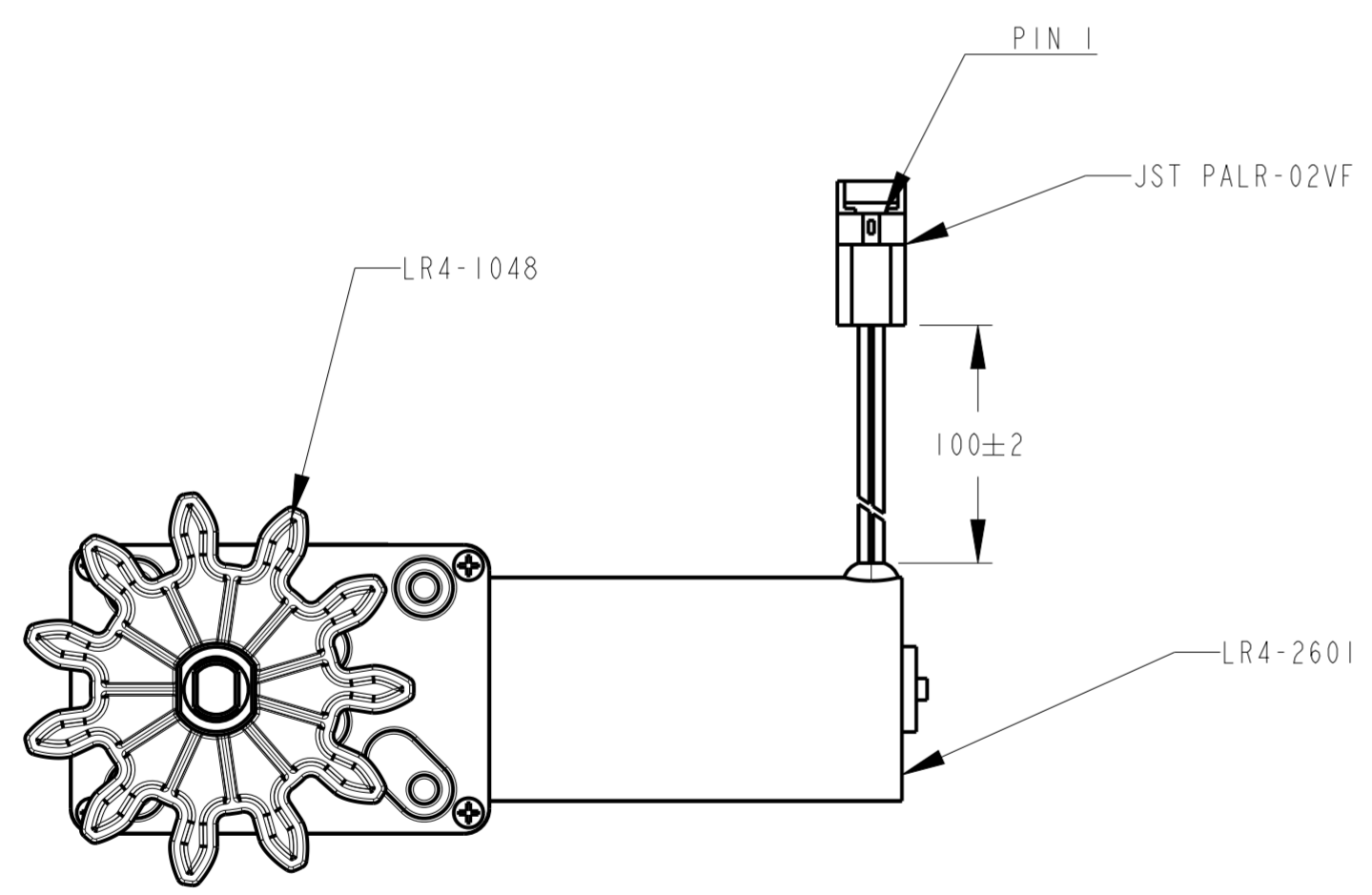
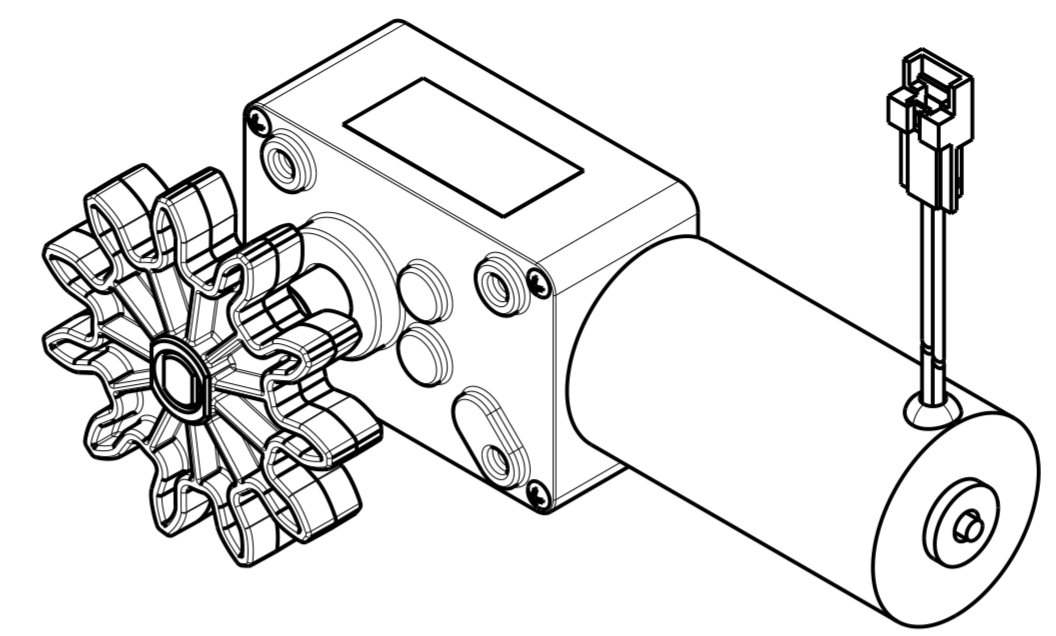
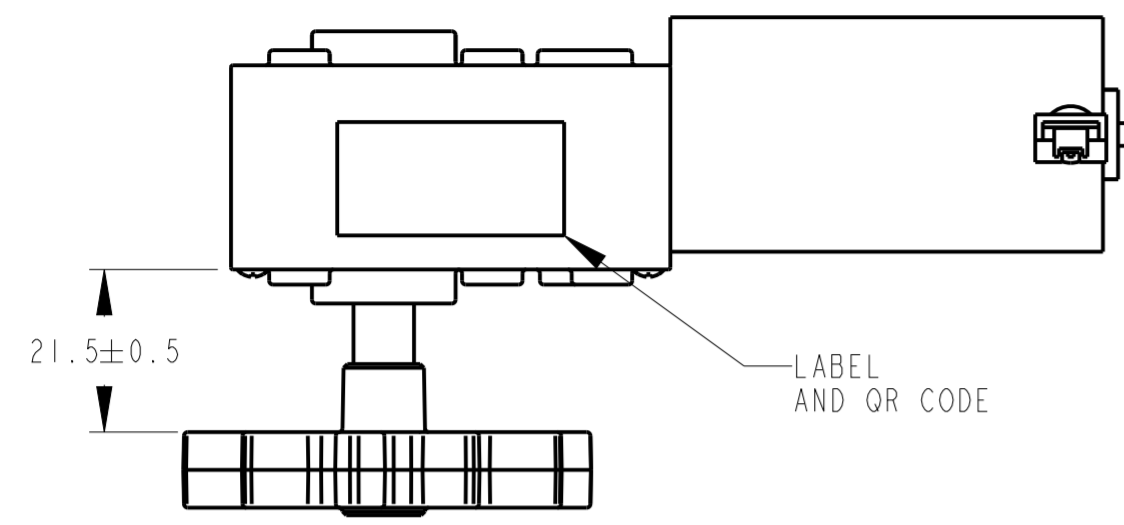
MOTOR WIRES OUTPUT AS SHOWN  
 MOTOR WIRES 24AWG  
 MOTOR WIRES PVC MUST PASS UL94-1 VERTICAL FLAME TEST  
 MOTOR WIRES 100mm+/-2mm LENGTH  
 MOTOR WIRES TERMINATED WITH JST PALR-02VF  
 MOTOR WIRES CONTACT TERMINALS TIN PLATED  
 MOTOR WIRES RED POSITIVE TO PIN 1

MOTOR TO HAVE 102 1KV CAP ACROSS BRUSH TERMINALS  
 OUTPUTSHAFT TO BE LASER WELDED TO GEAR

CONNECTOR: JST PALR-02VF  
 CONTACT PIN: SPAL-001T-P0.5 OR SPAL-002TP0.5

GEARBOX TO BE LABELED WITH  
 LOT NUMBER  
 MANUFACTURER  
 PRODUCTION DATE  
 PART NUMBER  
 QR CODE: SAME AS ABOVE LABEL  
 MUST BE READABLE BY SCANNER

WHISKER SAMPLE INSPECTION  
 NO LOAD SPEED: MUST BE 5RPM +/- .1RPM @12V  
 OUTPUT GEAR BACKLASH: NO MORE THAN .8mm  
 NO LOAD SOUND: NO GREATER THAN 40dB @12V  
 NO LOAD CURRENT: NO MORE THAN 100mA  
 GEAR INSTALLED DOES NOT ROTATE INDEPENDENT OF GEARBOX  
 PIN 1 IS RED WIRE



AI	WHISKER INSPECTION NUMBERS AND SPECIFICATION UPDATE		
-	A	RELEASE FOR PRODUCTION	27JUL21 JWEIHMANN
Index	No.	Release	Date Name

Material	Scale	3rd Angle Projection	Unit mm	Drawing No.
SEE NOTES	1:1		A2	LR4-2600
Draw: J. WEIHMANN	Date: 10NOV20	Dim without tol.	Angles without tol.	Customer Project
Checked:	Page 1 of 1			LR4

PART NAME	
WHISKER	MOTOR - ASM

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