

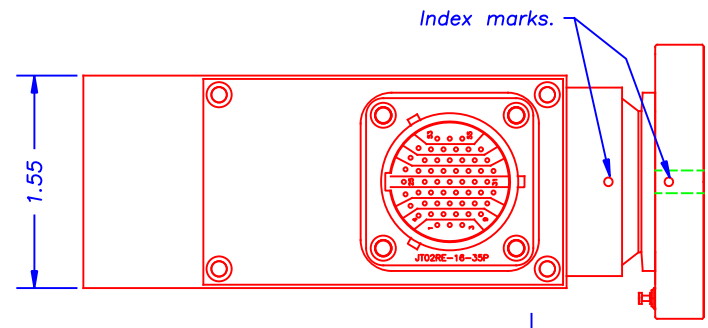
C33736BB

For connector dimensions and information about sealing backshells, see pages 4 - 8 of the price list.

DATE	BY	REVISION	LOC.
2-00	KDL	Split up C33736CB.dwg	

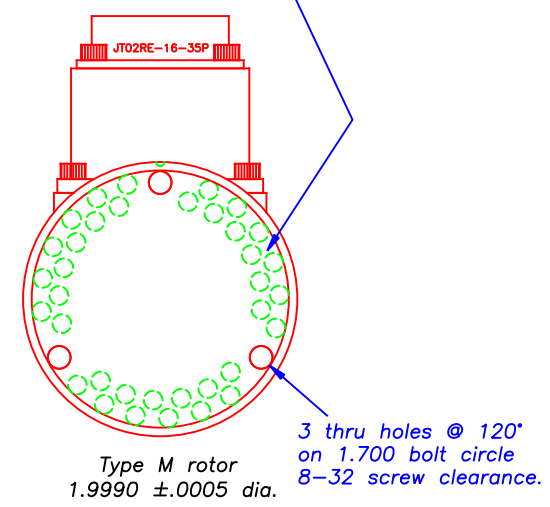
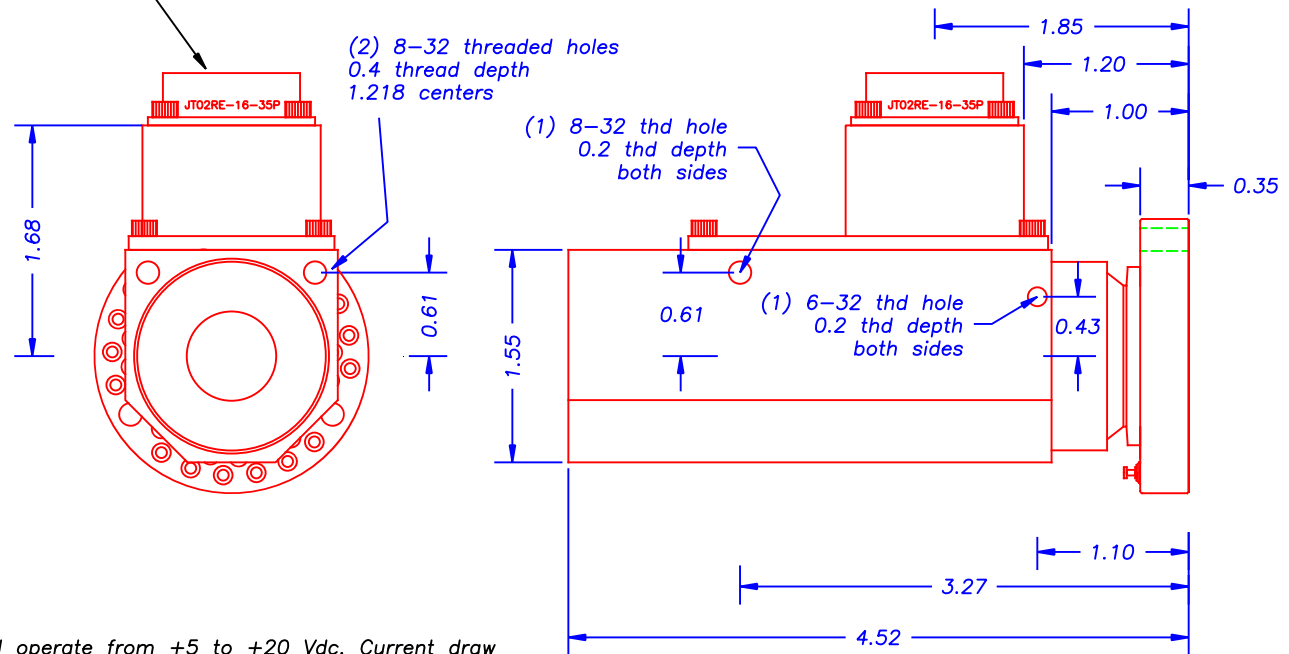
55 contact stator connector  
Bendix JT02RE-16-35P

Contact	Function	
1 - 36	36 slip rings	
37	No connection	
	<i>If Encoder</i>	
	<i>If Resolver</i>	
38- 43	Encoder Ground	No connection
44- 49	No connection	No connection
50	+6 to +16VDC input	Oscillator High
51	Power Ground	Oscillator Low
52	Output A	Cosine High
53	Output B	Cosine Low
54	Output I	Sine High
55	Output A ⊕ B	Sine Low



See drawing C337018B.dwg for WIRING DIAGRAM OF THE 36 SLIP RINGS.

Hidden lines show location of 36 slip ring solder terminals on other side of the rotor. The terminals are not actually visible in this view and only partially visible in the other end view. When exposed to water, seal terminals with Dow Corning 3145 RTV silicone rubber sealant.



The encoders will operate from +5 to +20 Vdc. Current draw is 50 to 90 mA. Temperature range is -40C to +100C.

The resolvers require a 10 KHz, 16 V peak to peak sine wave oscillator. The Michigan Scientific model RESSC-2-12V resolver electronics includes this oscillator. Temperature range of resolver units is -40C to +120C (-40F to +250F).

SR/ERT series  
Model SR36M\_/E\_\_\_/X  
Model SR36M\_/R360/X

Weight 13oz (15oz with mating connector).  
Weight 14oz (16oz with mating connector).

36 SLIP RINGS & AN OPTICAL ENCODER (E\_\_\_) OR RESOLVER (R360) IN A WEATHERPROOF HOUSING.

**MICHIGAN SCIENTIFIC CORPORATION**  
08500 ANCE ROAD  
CHARLEVOIX, MI 49720  
PHONE: (231)547-5511 FAX: (231)547-7070

TOLERANCES .xxxx ±.0005 .xxx ±.005 .xx ±.01 ANGLES ±'---' SURFACE FINISH ---RMS	DESIGNED BY: KDL DRAWN BY: KDL CHECKED BY:	DATE: 2-11-00 TITLE: OUTLINE DRAWING SHT OF SHTS: SIZE BH	SCALE: 1:1
DRAWING NO.: C33736BB	MATERIAL: 36 RINGS & ENCODER OR RESOLVER.		