

PRODUCT INFORMATION PACKET



Model No: ST1202

Catalog No: ST1202

Pool Pump Motor, 2.0 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, 56J Frame, ODP



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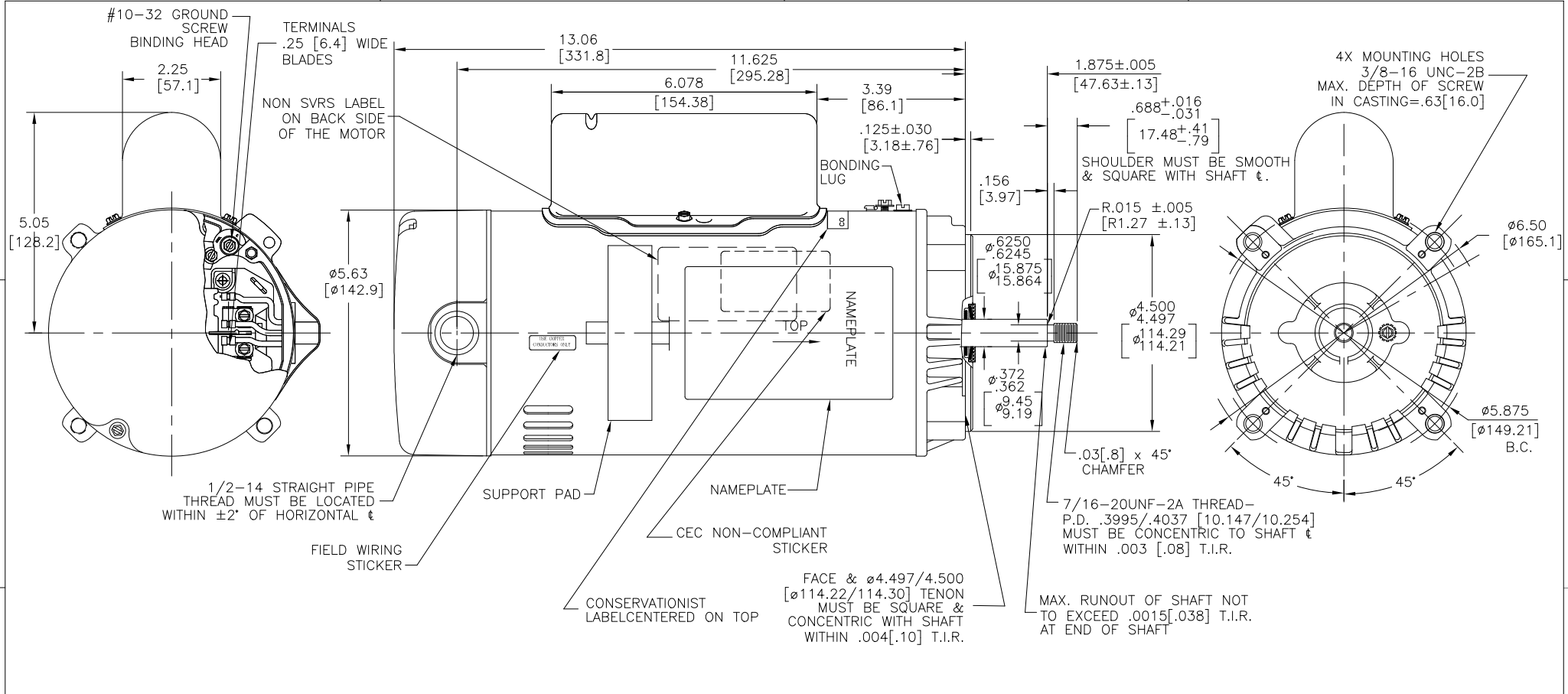
Nameplate Specifications

Output HP	2.0 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	208-230 V
Current	12.6-11.4 A	Speed	3450 rpm
Service Factor	1.32	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56J	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Poles	2
Rotation	Counterclockwise Pump End	Mounting	C Face
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	7/16 THREADS	Overall Length	15.62 in
Frame Length	9.69 in	Shaft Diameter	0.625 in
Shaft Extension	2.563 in		
Outline Drawing	ST1202-S01	Connection Drawing	627103-007

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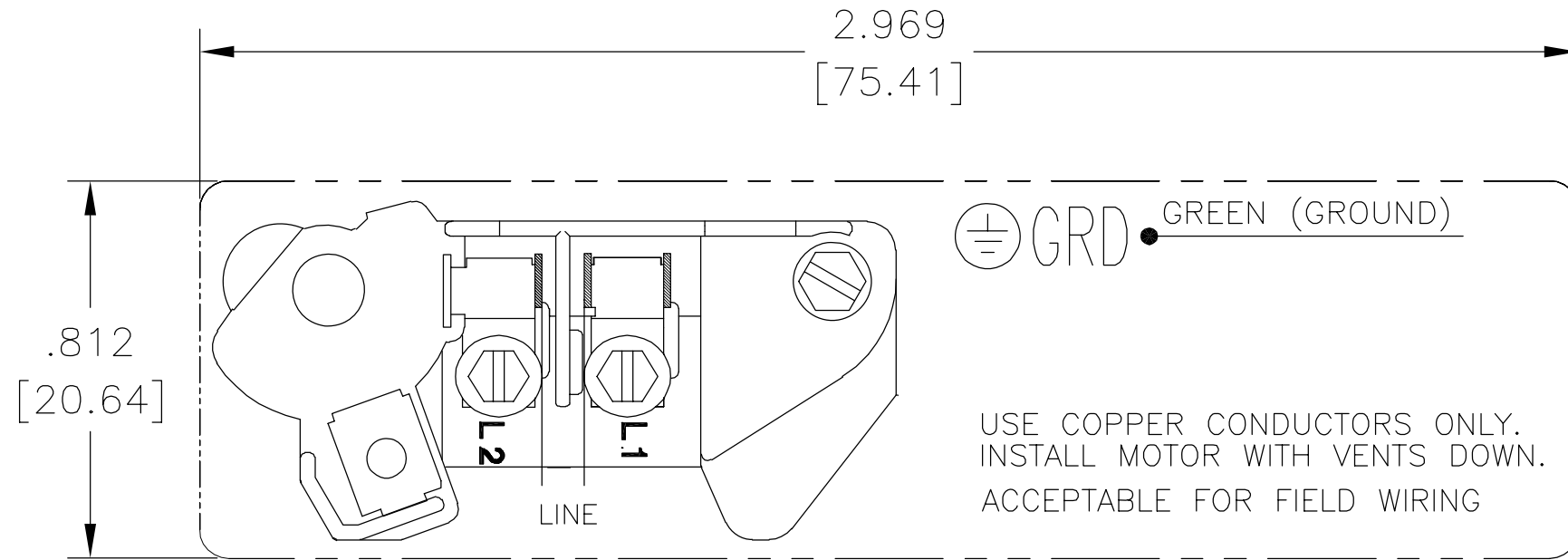
NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: K48N2N106C1 CUST PN: ST1202 HP: 2 SF: 1.32 ROT: CCWPE RPM: 3450 TYPE: UAK FORM: CODE: G FRAME: 56J VOLTS: 208-230 AMPS: MAX AMPS: 12.6-11.4 SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50°C DUTY: CONT ENCLOSURE: ODP THERMALLY PROTECTED	<p>USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING</p>	<ol style="list-style-type: none"> FINISH PAINT TO BE SATIN BLACK. .44 [11.1] WRENCH FLATS ON SHAFT-FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER. STAINLESS STEEL SHAFT EXT. LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING = .001 [.03]. MOTOR ASSEMBLY REFERENCE: 629535-002 CTQ REQUIREMENT SEE EP000105-008. RoHS & REACH ETC REQUIREMENT SEE EP000014.

PERFORMANCE CURVE	APPROVED SAMPLE		
K48M2W18			
UL COMPONENT	CSA		
FILE#	CCN#	FILE#	GUIDE#
E25022	XEWR2	LR43341	4211-01
CUSTOMER	DISTRIBUTION SERVICES		

CRITICAL TO QUALITY CHARACTERISTICS (CTQs)	DRAWING REVISION ECO	REVISION BY PRASHANTH	DATE 12/13/2022																				
PROCESS	ECR-0222611	APPROVED BY PVR	DATE 12/13/2022																				
ENGINEERING	ECO DESCRIPTION UPDATED AS PER ECR																						
APPLICATION	COPYRIGHT REGAL BELTOI AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELTOI AMERICA, INC. (OWNER) AND COMPANY OWNER'S PROPRIETARY INFORMATION. ANY PERSONAL, COMPANY OR OTHER FIRM RECEIVING IT IS DEMAND, BY RECEIVING IT, TO AGREE THAT IT AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.																						
REGULATORY	TOLERANCES UNLESS OTHERWISE SPECIFIED																						
LIFE	<table border="1"> <tr> <th>DEC.</th> <th>INCH</th> <th>mm</th> <th>ANGLE</th> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±.3]</td> <td>±0.5°</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.5]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.13]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.013]</td> <td></td> </tr> </table> REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.08/.38] CORNER FILLETS .02 [.5] MACHINED SURFACES 125 INCH/mm 32 mm SHOWN IN [BRACKETS]			DEC.	INCH	mm	ANGLE	.X	±0.1	[±.3]	±0.5°	.XX	±0.02	[±0.5]		.XXX	±0.005	[±0.13]		.XXXX	±0.0005	[±0.013]	
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.XX	±0.02	[±0.5]																					
.XXX	±0.005	[±0.13]																					
.XXXX	±0.0005	[±0.013]																					

DRAWN BY: BL	DATE: 07-15-2010	Regal Beloit America, Inc.
APPROVED BY: MY	DATE: 07-15-2010	
REFERENCE	MATERIAL	DESCRIPTION MODEL-PFHP-48FR OUTLINE
THIRD ANGLE PROJECTION	PROCESS/FINISH	
SIZE	DWG NO	SHEET
C	ST1202	1

REV	ECO	REV BY	DATE	APPD	DATE
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



230 VOLTAGE – SINGLE SPEED

NOTE:

1. FOR USE WITH 616231 NAME PLATE BLANK.
2. — — — — INDICATES DIMENSIONAL LIMITS.
3. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

GEOMETRIC CHARACTERISTICS & SYMBOLS

- ▭ FLATNESS
- STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- // PARALLELISM
- ROUNDNESS (CIRCULARITY)
- ⊘ CYLINDRICITY
- △ PROFILE OF ANY SURFACE
- ⌒ PROFILE OF ANY LINE
- ↑ RUNOUT
- ⊕ TRUE POSITION
- ◎ CONCENTRICITY
- ⊖ SYMMETRY

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:

	X	XX	XXX	XXXX
INCH	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.50 DEG

REMOVE BURRS & BREAK SHARP EDGES:

INCH	.003-.015	mm	0.1-0.4
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

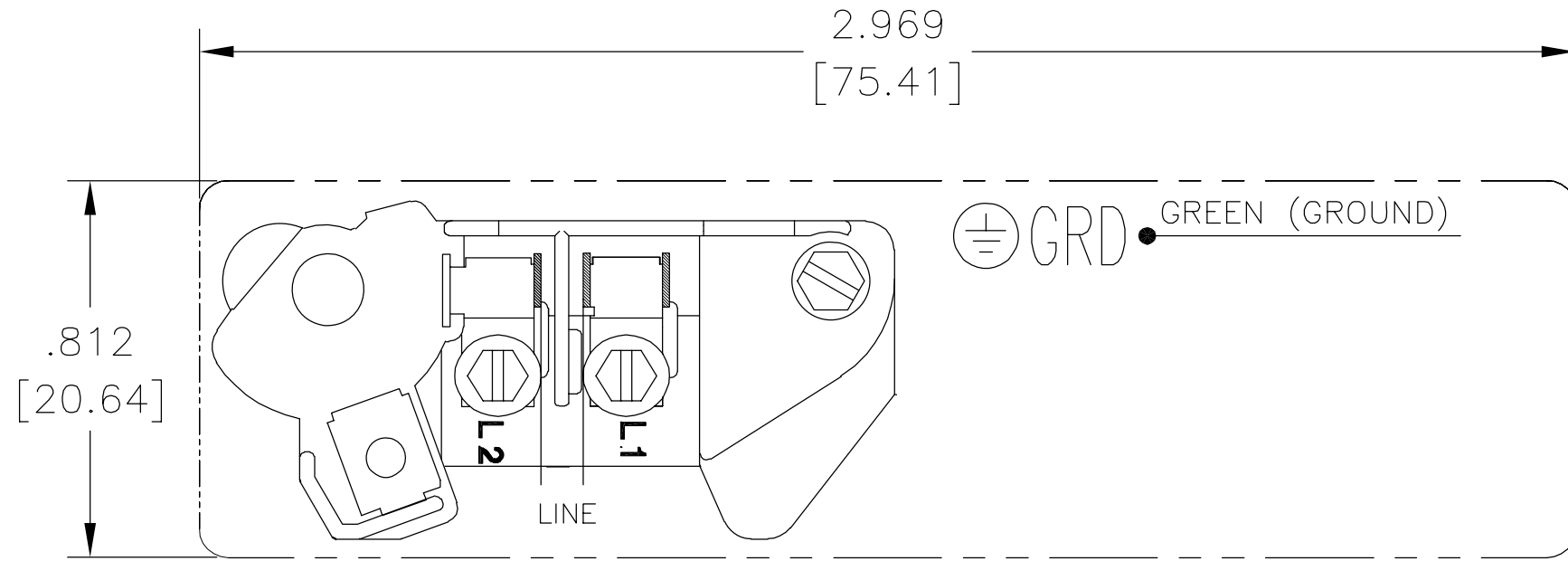
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Daniel Muñoz	04-13-2009
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2009 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION			
CONNECTION DIAGRAM EXTERNAL			
SIZE	A	DWG NO	627103-007
SCALE	NONE	SHEET	1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



VOLTAJE 230 – VELOCIDAD SENCILLA

NOTAS:

1. PARA USARSE CON LA PLACA DE DATOS EN BLANCO 616231.
2. — — — — INDICA LIMITES DIMENSIONALES.
3. EL DADO DEBE PRODUCIR UNA IMPRESION LEGIBLE.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

- ▭ PLANICIDAD
- RECTITUD
- ∠ ANGULARIDAD
- ⊥ PERPENDICULARIDAD (A ESCUADRA)
- // PARALELISMO
- REDONDEZ (CIRCULARIDAD)
- ⊘ CILINDRICIDAD
- ⊖ PERFIL DE CUALQUIER SUPERFICIE
- ⌒ PERFIL DE CUALQUIER LINEA
- ↑ VARIACION
- ⊕ POSICION REAL
- ◎ CONCENTRICIDAD
- ≡ SIMETRIA

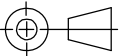
A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:


	X	XX	XXX	XXXX
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

ANG. ±.50 GRADOS
ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.

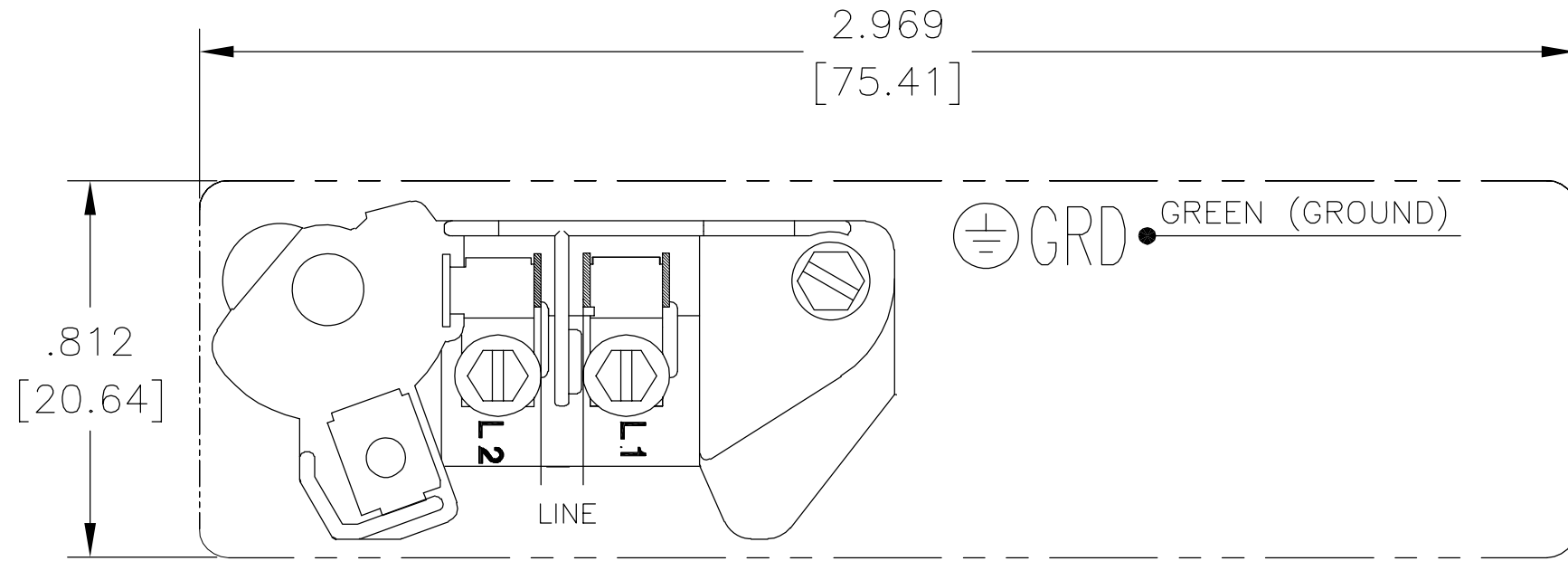
PULG .003-.015 mm 0.1-0.4
FILETEAR ESQUINA: PULG .020 mm 0.5
MAQUINAR SUPERFICIES
PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: Daniel Muñoz	04-13-2009
APROBADO POR:	
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DESCRIPCION: CONNECTION DIAGRAM EXTERNAL	
TAMAÑO: A	NUMERO DE DIBUJO: 627103-007
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- // 平行度
- 圆度
- ⊘ 圆柱度
- △ 面轮廓度
- ∩ 线轮廓度
- ↗ 圆跳动
- ⊕ 位置度
- ◎ 同轴度
- ≡ 对称度

除另有注明
尺寸公差如下:

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	
角度	±.50 度			
清理毛刺和尖棱				
英寸	.003-.015	毫米	0.1-0.4	
内圆角				
英寸	.020	毫米	0.5	
表面粗糙度				
英制	125	米制	3.2	

米制尺寸显示在 []

绘图:	Daniel Muñoz	04-13-2009
批准:		
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名称		CONNECTION DIAGRAM EXTERNAL	
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比例	NONE	页号	1