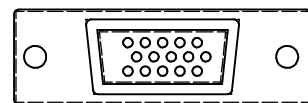


**2-PHASE MOTOR PINOUT**

- PIN 3 = +5Vdc
- PIN13 = COMMON
- PIN 8 = FAR LIMIT
- PIN 12 = NEAR LIMIT
- PIN 1 = MOTOR A+
- PIN 7 = MOTOR A-
- PIN 6 = MOTOR B+
- PIN 11 = MOTOR B-



15 PIN HIGH DENSITY D-SUB

**OUTLINE**

USED ON:

MATERIAL:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES AS FOLLOWS

DEC. .XXX ± .005  
 DEC. .XX ± .010  
 FRACT. ± 1/64  
 ANGLES ± 30'  
 CONCENTRICITY .003 TIR  
 BREAK ALL SHARP EDGES .005 MIN. .010 MAX.  
 CHAMFER ALL THREADS 30° TO ROOT DIAMETER

P/N SUFFIX DEFINITION

- 1 CONVERSION COATING
- 2 PAINTING
- 3 MARKING
- R REWORK

SCALE: 1:1

DR: R. PODLENA

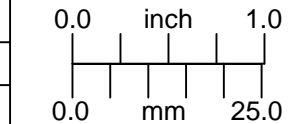
CH: P. BONAFEDE

APP:

DATE DR: 11/19/2002

DO NOT SCALE DRAWING

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MOTORIZED (SMALL STEP) 12X ULTRAZOOM & 3mm FF w/COAX, DUAL 2 POSITION LS (HALL EFFECT)

SIZE B

1-51196

SHEET 1 OF 1

REV B