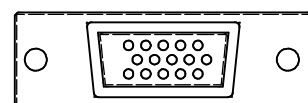


### 2-PHASE MOTOR PINOUT

- 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 MALE D-SUB

### USED ON:

MATERIAL:

FINISH:

CHAMFER ALL THREADS  
30° TO ROOT DIAM.

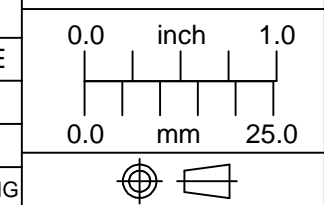
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES:  
DEC. .XXX ± .005  
DEC. .XX ± .010  
FRACT. ± 1/64  
ANGLES ± 30'  
CONCENTRICITY .003 TIR  
BREAK ALL SHARP EDGES  
.005 MIN. .010 MAX  
MAX. SURF. ROUGHNESS 32  $\sqrt{\text{ }}$

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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## OUTLINE



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

SIZE	1-51192	REV
B	SHEET 1 OF 1	A