









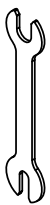


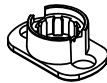


SLEEVES			SHAFT ADAPTER
	2mm	Light Sky Blue	
	3mm	Orange	103 BASE
	1/8 inch (3.175mm)	Purple1	
	4mm	Gray60	103 TOP COVER
	3/16 inch (4.76mm)	Yellow1	
	5mm	Green1	TOOL A
	6mm	Red1	
	1/4 inch (6.35mm)	Snow	TOOL B
	8mm	Blue	

AMT103 VersaPak comes with all items shown: all Sleeve sizes, Shaft Adapter, Base, Top Cover, Tool A, Tool B, Index Pulse, and 16 Resolution Dip Switch.

Sleeve Sizes

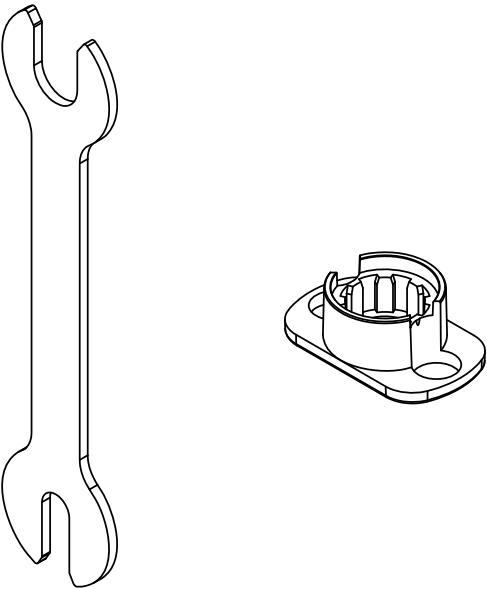
The AMT comes with sleeve adapters to fit the following bore diameters: 2mm, 3mm, 3.17mm (1/8"), 4mm, 4.76mm (3/16"), 5mm, 6mm, 6.35mm (1/4"), 8mm.

Operational Specs

3.6 Vdc~5.5Vdc; Max power consumption 10mA
Temp Range: -40 ~ +100°C
Current consumption: 6mA (typ), 10mA max

PC FILE NAME:
AMT103-V-REV-D

COPYRIGHT 2007 BY CUI INC.



Resolution Options (PPR)

All resolutions stated are before quadrature decoding (example: 1000PPR x 4 = 4000 counts).

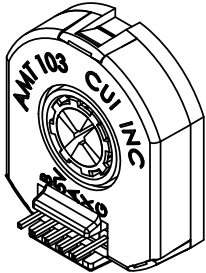
Resolutions of AMT103 VersaPak = 48, 96, 100, 125, 196, 200, 250, 256, 384, 400, 500, 512, 800, 1000, 1024, 2048.

Max RPM	Resolutions
7500	2048, 1000, 800, 384 (plus res. from 15k and 30k RPM)
15000	1024, 500, 400, 192 (plus res. from 30k RPM)
30000	512, 250, 200, 96; 256, 125, 100, 48

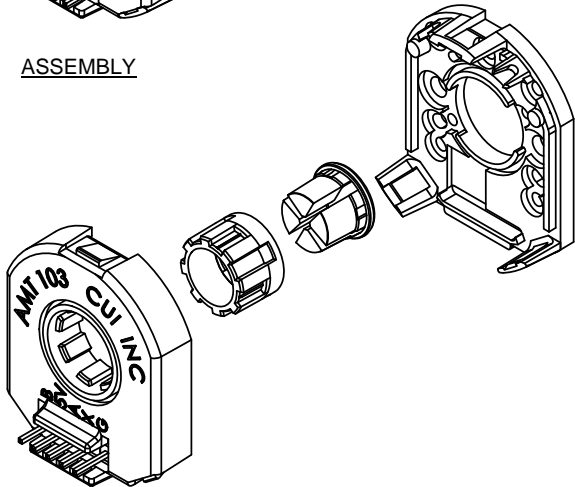
Mounting Hole Options (see dim drawing for layout)

- 2 each M1.6 holes on 16mm (.63") bolt circle
- 2 each #4 holes on 19.05 (.75") bolt circle
- 2 each M1.6 or M2 holes on 20mm (.787") bolt circle
- 3 each M1.6 or M2 holes on 20.9mm (.823") bolt circle
- 3 each M1.6 or M2 holes on 22mm (.866") bolt circle
- 4 each M1.6 or M2 holes on 25.4mm (1") bolt circle

Note: Some stepper motors may leak a magnetic field causing the AMT index pulse to not function properly.



ASSEMBLY

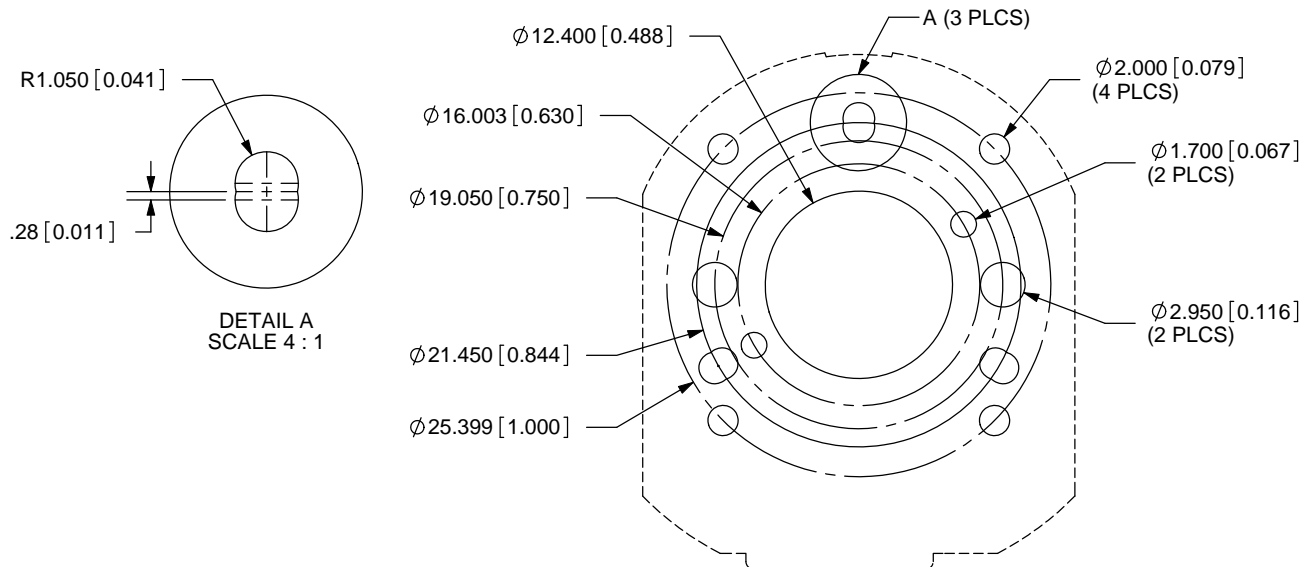
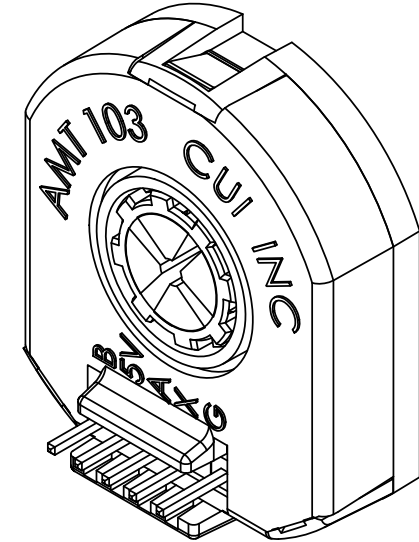
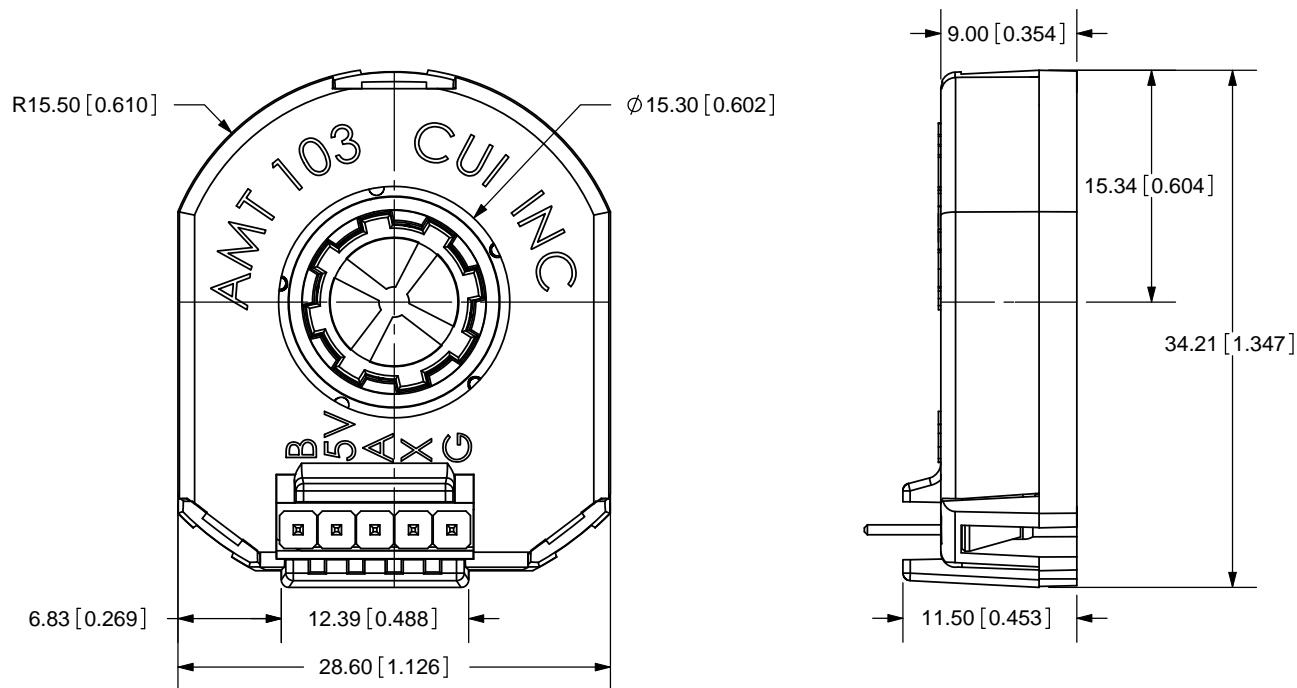


PIN-OUT	
PIN	DESCRIPTION
B	B CHANNEL
5V	+5VDC POWER
A	A CHANNEL
X	INDEX OUPUT
G	GROUND
MATING CONNECTOR AMP 3-640441-5	
CABLES AVAILABLE (SOLD SEPERATELY)	



20050 SW 112th Ave.
Tualatin, OR 97062
Phone: 503-612-2300
800-275-4899
Fax: 503-612-2383
Website: www.cui.com

TITLE: AMT103 VersaPak		REV: D
PART NO. AMT103-V		UNITS: MM [INCHES]
DRAWN BY: ZRJ	APPROVED BY:	SCALE: N/A



TOLERANCE:
±0.05mm UNLESS OTHERWISE
SPECIFIED



CUI INC

20050 SW 112th Ave.
Tualatin, OR 97062
Phone: 503-612-2300
800-275-4899
Fax: 503-612-2383
Website: www.cui.com

TITLE: AMT103 DIMENSION DRAWING		REV: D
PART NO. AMT103	UNITS: MM [INCHES]	
DRAWN BY: ZRJ	APPROVED BY:	SCALE: 2:1