

PART NO.
SM3400D-BRK

PART REVISIONS

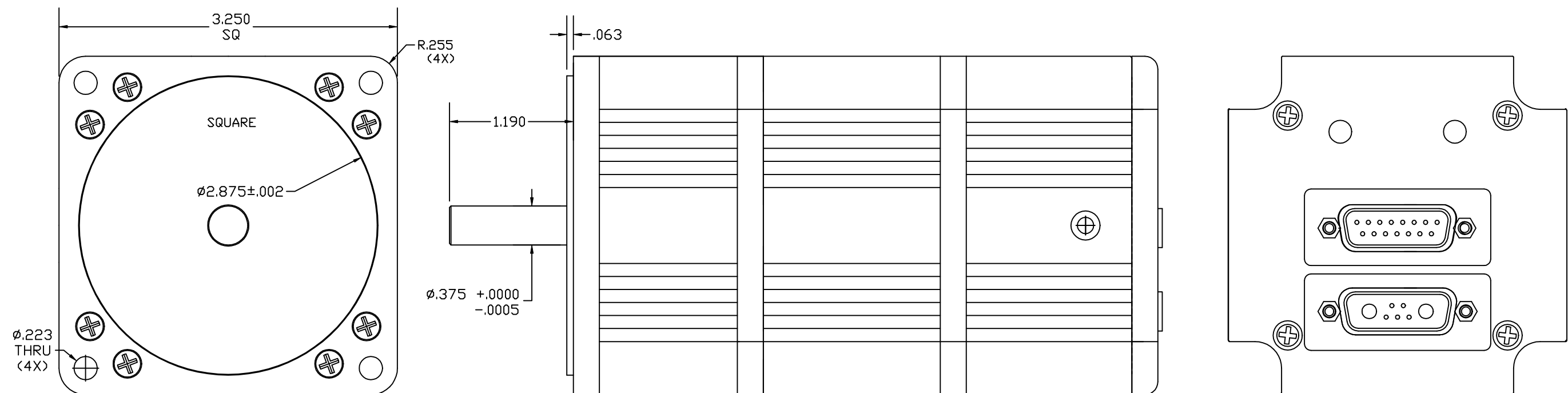
ECD	REV	DESCRIPTION	DATE	APPROVED
	1	PRODUCTION RELEASE	2/8/01	
	2	REVISE REAR COVER	3/23/01	
	3	MODIFIED BRAKE MODULE	1/21/02	

NOTES:

1) STATIC BRAKE HOLDING TORQUE: 160 OZ-IN
THE BRAKE HAS ITS OWN INTERNAL VOLTAGE REGULATOR,
SO THE VOLTAGE INPUT RATING OF THE
MOTOR REMAINS THE SAME, 20 TO 48 VDC.

2) RELATED INTERNAL BRAKE COMMANDS:

- BRKENG BRAKE ENGAGE
- BRKRLS BRAKE RELEASE
- BRKSRV RELEASE WHEN SERVOING
- BRKTRJ RELEASE DURING TRAJECTORY



CN1: 7 PIN COMBO D-SUB MALE CONNECTOR

PIN#	NAME	FUNCTIONS
1	Port G	G-Synchronization Pin
2	+5V OUT	+5V Out
3	RS232 TX	RS232-Transmit
4	RS232 RX	RS232-Receive
5	GND	Signal Ground
A1	POWER	Power, +20v to 48v
A2	PWR GND	Power Ground

MODEL	LENGTH
SM3410D-BRK	5.626
SM3420D-BRK	6.276
SM3430D-BRK	6.926
SM3440D-BRK	7.576
SM3450D-BRK	8.226

CN2: 15 PIN D-SUB FEMALE CONNECTOR

PIN#	NAME	SOFTWARE SELECTABLE FUNCTIONS			
		SPECIAL FUNCTIONS	SPECIAL FUNCTIONS	DIGITAL I/O (TTL)	ANALOG INPUT (10 bit)
1	Port A	Ext Encoder A Input	Step Input	5V	0 to 5V
2	Port B	Ext Encoder B Input	Direction Input	5V	0 to 5V
3	Port C	Right Limit Input		5V	0 to 5V
4	Port D	Left Limit Input		5V	0 to 5V
5	Port E	Anilink Data	RS-485 Signal A	5V	0 to 5V
6	Port F	Anilink Clock	RS-485 Signal B	5V	0 to 5V
7	Port G	G-Synchronization Pin	RS-485 Adapter Flow Control Line	5V	0 to 5V
8	ENCA OUT	Encoder A Output			
9	ENCB OUT	Encoder B Output			
10	RS232 TX	RS232-Transmit			
11	RS232 RX	RS232-Receive			
12	+5V OUT	+5V Out			
13	GND	Signal Ground			
14	PWR GND	Power Ground			
15	POWER	Power, +20v to 48v			

ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED, DIMENSIONS & TOLERANCES ARE PER ANSI Y14.5M AND ARE IN INCHES. TOLERANCES ARE AS FOLLOWS: DECIMALS .XX± .XXX± ANGLES ± .XXX±		THIRD ANGLE PROJECTION 		ANIMATICS SM3400D-BRK SERIES
MATERIAL		APPROVALS DRAWN TC CHECKED	DATE 11/26/01	
FINISH		ENGINEER	SCALE	TITLE SM3400D-BRK SERIES
		SIZE B	COMPUTER GENERATED DRAWING	PART NO. SM3400D-BRK
		SIMILIAR TO: CAD FILE NAME		REV 3
				SHEET 1 OF 1