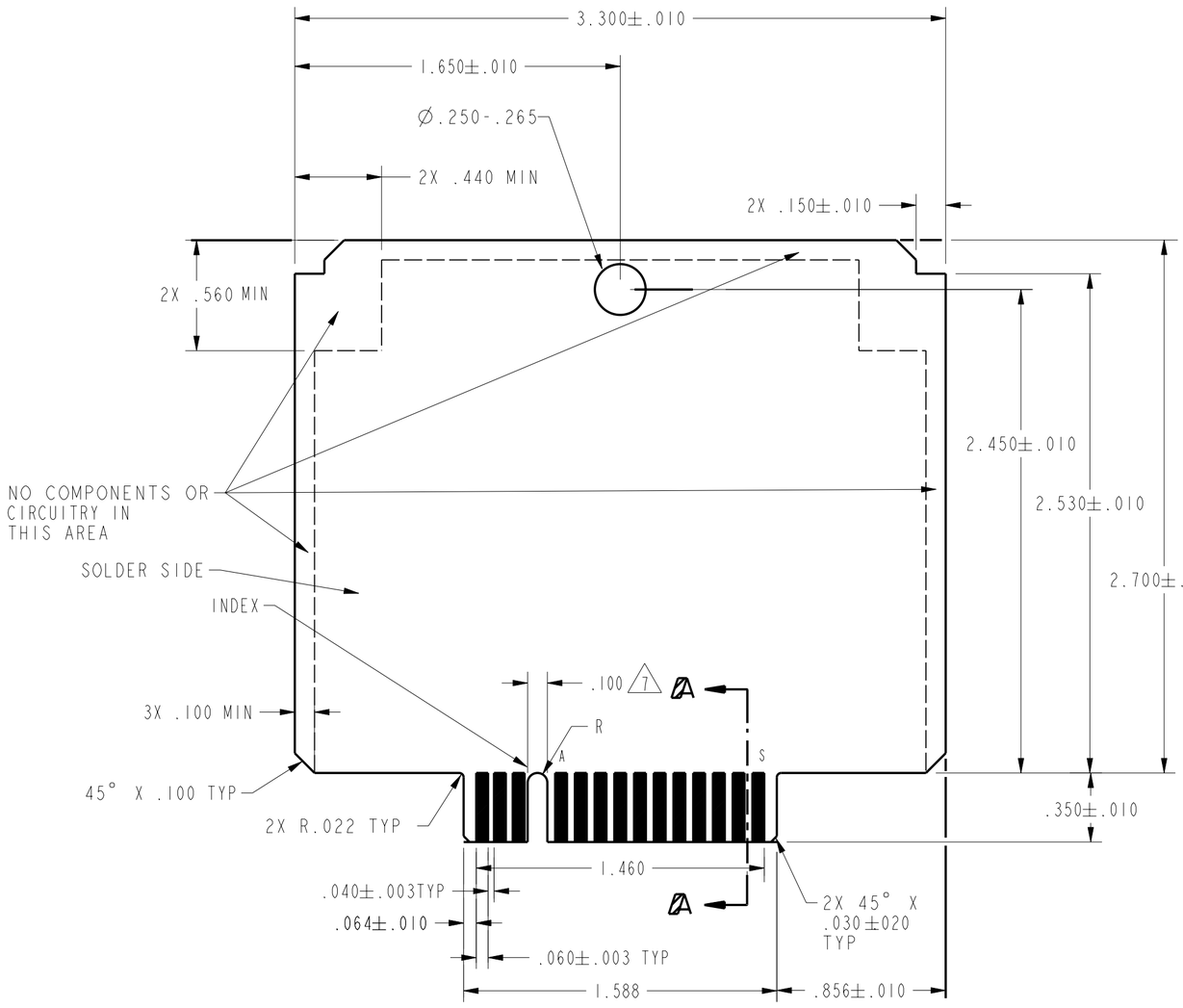

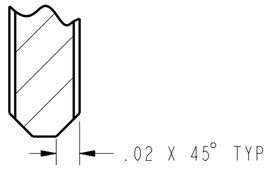

SECTION A–A
SCALE 10:1

NOTES

1 - OPERATION - DESIGNED TO BE USED FOR CALIBRATION OF 390FW04A-10, 310FW04-10, 320FW04-5 OR 330FW04A-1 INDUCTIVE PROXIMITY SENSOR. SPECIFIC OPERATING CHARACTERISTICS WILL BE DEPENDENT ON THE INSTALLATION AND THE SPECIFIC TYPE OF SENSOR USED. NORMAL OPERATION IS DEFINED AS AN UNACTUATED SWITCH (TARGET AT INFINITY). OUTPUT SWITCH STATE WILL BE DEPENDENT ON EXTERNAL JUMPERS (SEE ELEC. CONNECTIONS).

2 - ELECTRICAL CONNECTIONS

PIN C (3)	SENSOR RED
PIN D (4)	INDEX
PIN F (6)	SENSOR BLUE
PIN H (7)	COMMON GROUND
PIN J (8)	GROUND SIDE OF SWITCH
PIN K (9)	LOAD SIDE OF SWITCH
PIN M (11)	JUMPER M TO R AND N TO P NORMALLY CLOSED OPERATION
PIN N(12)	JUMPER M TO R AND N TO P NORMALLY CLOSED OPERATION
PIN P(13)	JUMPER M TO P FOR NORMALLY OPEN OPERATION
PIN R (14)	JUMPER M TO P FOR NORMALLY OPEN OPERATION
PIN S (15)	28 VOLTS DC

SWITCH CARD MATES WITH AMP, INC. 582553-1 OR EQUIVALENT CONNECTOR.

3 - INPUT POWER - 18 TO 32 VOLTS DC. POWER DISSIPATION IS LESS THAN 1.8 WATTS WHILE OPERATING IN ANY MODE AND ANY INPUT VOLTAGE BETWEEN 18 AND 32 VOLTS DC.

4 - OUTPUT CHARACTERISTICS - CURRENT SINK, CAPABLE OF CARRYING AND SWITCHING 160 MA. WITH ALL MIL-STD-704 POWER INPUTS, AND CAPABLE OF CARRYING AND SWITCHING A 38 OHM LOAD (INDUCTIVE, RESISTIVE OR LAMP) RATED AT 0.75 AMP AT 28 VDC. OUTPUT VOLTAGE DROP LESS THAN 0.4V FOR CURRENTS UP TO 160 MA., AND LESS THAN 0.8V WITH 0.50 AMP LOAD. OUTPUT LEAKAGE LESS THAN 300 MICROAMPS IN THE "OFF" SWITCH STATE.

5 - OPERATING TEMPERATURE: -40°C TO +85°C

6 - PHYSICAL CHARACTERISTICS - CIRCUIT BOARD LAMINATED EPOXY GLASS, .062 THICK, COPPER CLAD (2 OZ.) BOTH SIDES. CONNECTOR PATTERN APPLIED TO BOTH SIDES OF BOARD, CONNECTOR LEADS GOLD PLATED PER MIL-STD-275. THICKNESS OF CARD AND COMPONENTS 0.7" MAXIMUM.

△7 SLOT TO BE CENTERED BETWEEN ADJACENT CONNECTOR PATTERN WITHIN 0.01 INCH.

8 - PART MARKING (CPS SIDE) SHALL BE "MICRO SWITCH, USA", "MFR 91929", MICRO SWITCH CATALOG LISTING "405FW504-BG", "M" DRAWING ISSUE, AND SERIAL NUMBER.

♦9 - ROOM TEMPERATURE OPERATE TO BE .0625±.0010 USING A 330FW04A-1G MICRO SWITCH CENTER POINT SENSOR OR .1000±.0010 USING A 310FW04-10G MICRO SWITCH CENTER POINT SENSOR

405FW504-BG | M | PAGE 1 OF 1 | RELEASE NO. PR-23283 | REPLACES X86034-FW

ISSUE	DRAWING NUMBER	DRAWN	CHECK	CHECK	CHECK	CHECK
3		GJW 21SEP00	SAV 21SEP00			

REVISIONS

A	201152	GJW SEP 00

PTC/CAD 2D

ANSI Y14.5M-1982 APPLIES

CAUTION ELECTROSTATIC SENSITIVE DEVICES DO NOT OPEN OR HANDLE EXCEPT AT A STATIC FREE WORKSTATION

ESD SENSITIVITY: CLASS 1

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MICRO SWITCH a Honeywell Division
FED. MFG. CODE 91929

SWITCH
SOLID STATE

CATALOG LISTING
405FW504-BG

THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES	2°	±

WEIGHT 2 OZ MAX