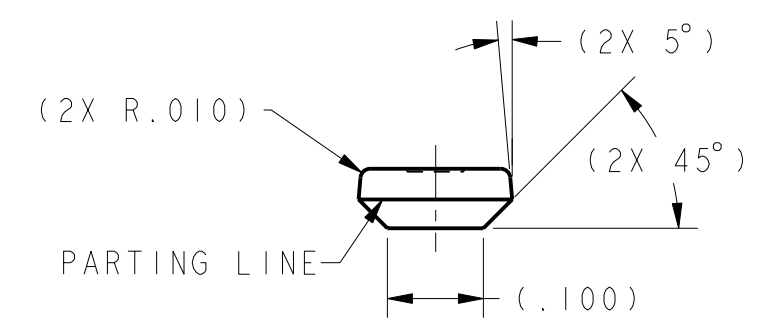
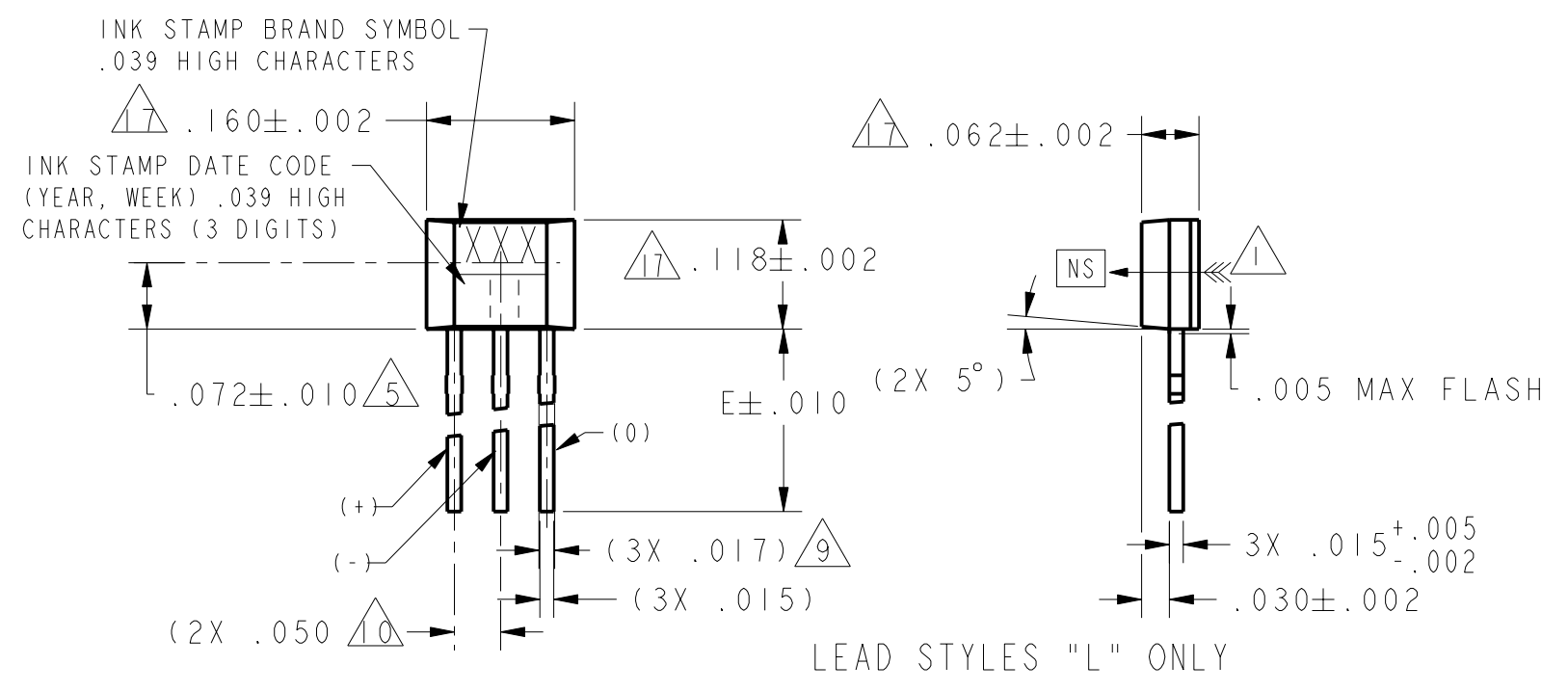
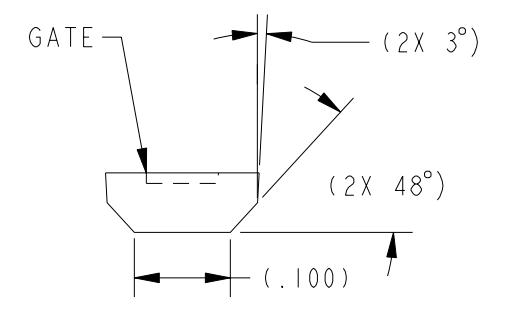
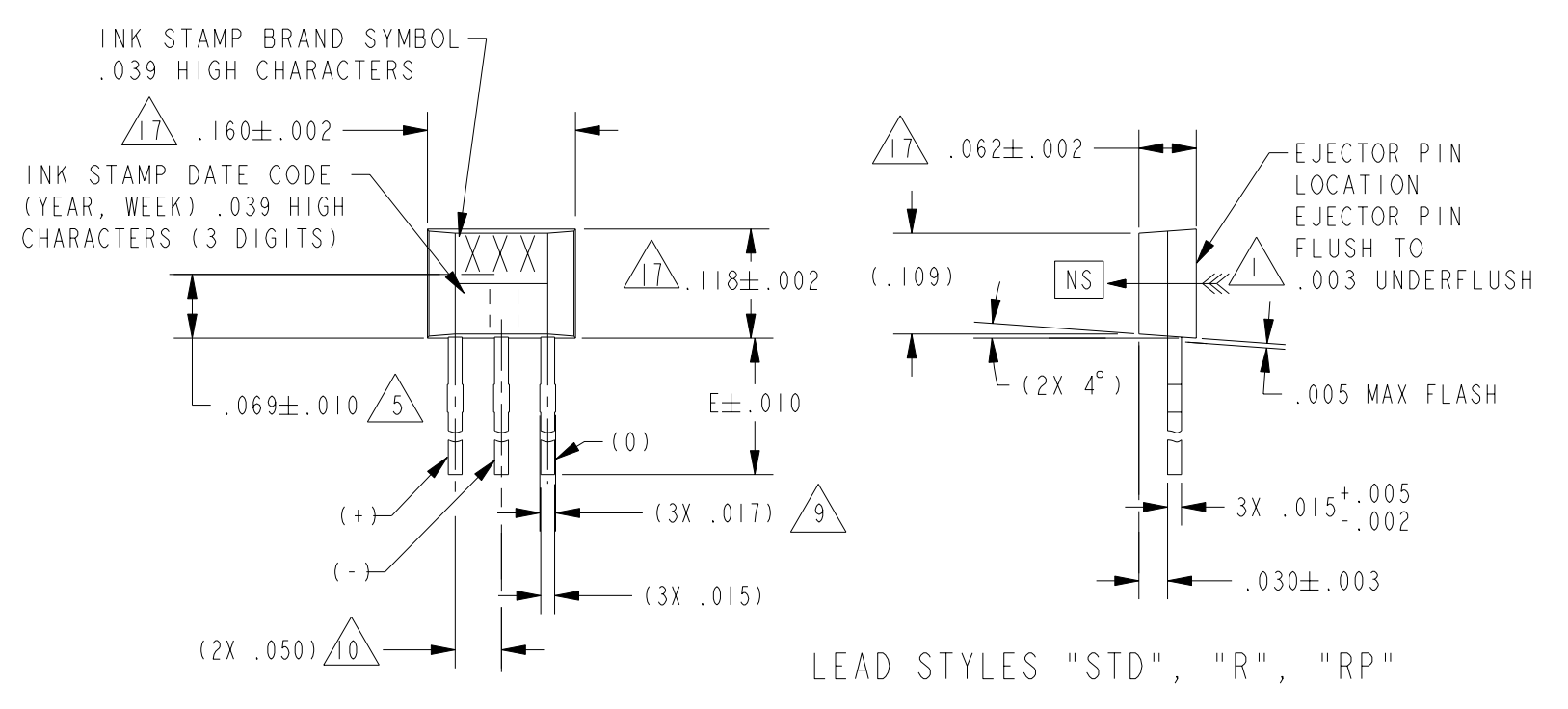




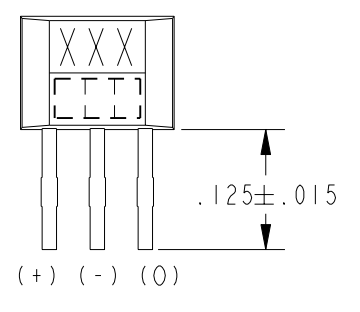
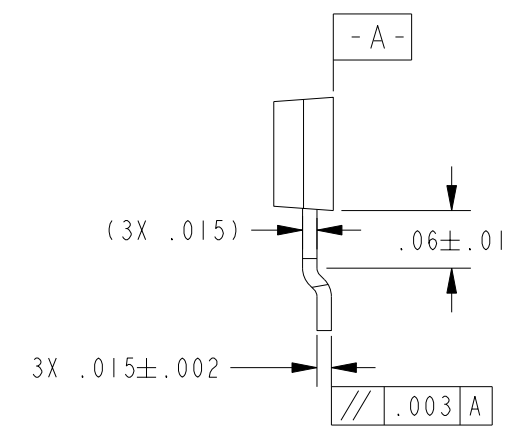
LEAD STYLES



ALL EXCEPT "L" LEAD STYLES



LEAD STYLES "STD", "R", "RP"



LEAD STYLES "S" & "SP"

ANSI Y14.5M-1982 APPLIES

- NOTES
- 1 THE MAGNETIC FLUX USED TO OPERATE THE SWITCH MUST BE IN THE DIRECTION AND LOCATION SHOWN (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)
 - 2 THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO CHANGE STATE (OPERATE AND RELEASE) WILL BE AS TABULATED. TO TEST THE SWITCH AGAINST THE SPECIFIED LIMITS, THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD
 - 3 ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THE DEVICE WILL MOMENTARILY WITHSTAND WITHOUT DAMAGE TO THE DEVICE. ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED IF THE RATED VOLTAGE AND/OR CURRENTS ARE EXCEEDED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATINGS
 - 4 AMMOPACK STYLE "T2" & "T3". 24 SWITCHES BETWEEN FOLDS, SKIP 1 SPACE AT FOLD. MAY BE REFERRED TO AS "FAN FOLD"
 - 5 HALL ELEMENT LOCATION WITH INTEGRATED CIRCUIT TOLERANCE
 - 6 LEADS MUST BE ADEQUATELY SUPPORTED DURING ANY FORMING/ SHEERING OPERATION TO ASSURE THAT THE LEADS ARE NOT STRESSED WITHIN THE PLASTIC
 - 7 PCB WAVE SOLDERING GUIDELINES ARE AS FOLLOWS:
250°C TO 260°C SOLDERING TEMPERATURE 3 SECONDS MAX
SOLDERING TIME
 - 8 28 VDC MAX EXTERNALLY APPLIED OUTPUT VOLTAGE IN OFF CONDITION ONLY, -0.5 VDC LIMIT MAY BE APPLIED WITH SWITCH IN ON OR OFF CONDITION
 - 9 BURRS ARE ALLOWED ONLY IF FULL LENGTH OF LEADS WILL PASS THROUGH Ø.023 HOLE. LEAD REFERENCE DIMENSIONS DO NOT INCLUDE SOLDER THICKNESS
 - 10 DIMENSION REFERS TO THE LOCATION OF LEAD CENTERLINES AS THEY EXIT THE PLASTIC PACKAGE
 - 11 TYPICAL DIMENSIONS NOT SHOWN IN LEAD STYLE "S"
 - 12 SOME COMBINATIONS OF BASIC LISTING AND PACKING OPTIONS ARE NOT AVAILABLE
 - 13 TAPE AND AMMOPACK PER EIA-468-A-1990
 - 14 TAPE AND REEL PER EIA-481-A-1986
 - 15 LEAD STRAIGHTNESS MAY BE DETERIORATED ON SOME UNITS BY BULK PACKAGING. APPLICATIONS HAVING A CRITICAL LEAD STRAIGHTNESS REQUIREMENT SHOULD USE A TAPE PACKAGING OPTION
 - 16 SOURCE VOLTAGE IS 12VDC UNLESS OTHERWISE SPECIFIED
 - 17 MOLDED PART DIMENSIONS DO NOT INCLUDE FLASH. FLASH IS LIMITED TO .005 MAX
 - 18 THESE HALL EFFECT SENSORS MAY HAVE AN INITIAL OUTPUT IN EITHER THE ON OR OFF STATE IF POWERED UP WITH AN APPLIED MAGNETIC FIELD IN THE DIFFERENTIAL ZONE (APPLIED MAGNETIC FIELD > Brp AND < Bop). MICRO SWITCH RECOMMENDS THAT THE APPLICATION CIRCUIT DESIGNER ALLOW 10 MICROSECONDS AFTER SUPPLY VOLTAGE HAS REACHED 5 VOLTS FOR THE OUTPUT VOLTAGE TO STABILIZE

SS40 SERIES CHART 1

PAGE 1 OF 4

RELEASE NO. CO-75147B

REPLACES

DRAWING NUMBER

ISSUE

16

REVISIONS

REV	DATE	BY	CHKD	DESCRIPTION
A	205183	GLH		
B	206240	TSW		
C	206425	JLB		

PTC/CAD 3D

GLH

26MAR02

SAV

CHECK

26MAR02

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

MICRO SWITCH
a Honeywell Division

FED. MFG. CODE 91929

SOLID STATE SENSOR

SS40 SERIES CHART 1

CATALOG LISTING

THIRD ANGLE PROJECTION			
SCALE 5:1			
DO NOT SCALE PRINT			
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE			
ONE PLACE	(.0)	±.030	
TWO PLACES	(.00)	±.015	
THREE PLACES	(.000)	±.005	
ANGLES		±	
WEIGHT			

CATALOG LISTING

SS40 SERIES CHART 1

PAGE 3 OF 4

RELEASE NO. CO-75147B

REPLACES

PTC/CAD 3D

DRAWN

KED 18JAN99

CHECK

JAF

CHECK

18JAN99

CHECK

11SEP02

JLH

206425

E

28AUG02

TSM

206240

D

26MAR02

GLH

205183

C

18AUG99

TSM

094110

B

18JAN99

KED

093816

A

ISSUE

16

M

MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SOLID STATE SENSOR

SS40 SERIES CHART 1

CATALOG LISTING

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH

TABLE 1 - MAGNETIC AND ELECTRICAL SPECIFICATIONS



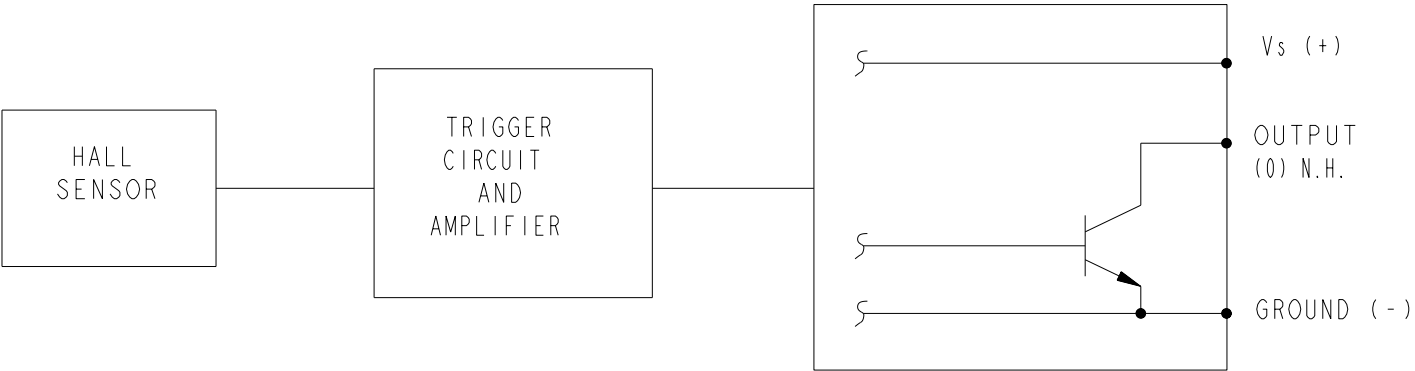
	-40° C	0° C	25° C	85° C	125° C	150° C
MIN OPERATE GAUSS						
SS4I	NS	NS	NS	NS	NS	NS
SS4ID	NS	NS	NS	NS	NS	NS
MAX OPERATE GAUSS						
SS4I	200	150	150	150	200	250
SS4ID	340	340	340	340	NS	NS
MIN RELEASE GAUSS						
SS4I	-160	-160	-140	-150	-200	-250
SS4ID	-340	-340	-340	-340	NS	NS
MAX RELEASE GAUSS						
SS4I	NS	NS	NS	NS	NS	NS
SS4ID	NS	NS	NS	NS	NS	NS
MIN DIFF GAUSS						
SS4I	40	50	50	50	60	60
SS4ID	40	40	40	40	NS	NS

TABLE 2

	SS4I	SS4ID
MAGNETIC TYPE	BIPOLAR	BIPOLAR
BRAND SYMBOL	S4I	S4I
PACKING	BAG	BAG
SPECIFIED VOLTAGE RANGE	4.5 - 24	4.5 - 24
MAX Ioff milliamp	10.0	10.0
MAX Ion milliamp	11.3	11.3
RATED SINK CURRENT Ma	20	20
MAX Vsat VOLTS 25° C $\sqrt{16}$	0.4	0.4
MAX LEAKAGE AT 24V, μ A	10	10
RISE TIME AT 25° C 10% TO 90% μ S	1.5	1.5
FALL TIME AT 25° C 90% TO 10% μ S	1.5	1.5
STORAGE TEMP °C	-40 TO +150	-40 TO +150
OPERATING TEMP °C	-40 TO +150	-40 TO +85

ABSOLUTE LIMITS

	SS4I	SS4ID
SUPPLY VOLTAGE	-28 TO +28	-24 TO +28
APPLIED OUTPUT VOLTAGE $\sqrt{8}$	-0.5 TO +28	-0.5 TO +28
OUTPUT CURRENT mA	20	20
MAGNETIC FLUX GAUSS	NO LIMIT	NO LIMIT



THIRD ANGLE PROJECTION

SCALE NONE

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE (.0) ±.030

TWO PLACE (.00) ±.015

THREE PLACE (.000) ±.005

ANGLES †

WEIGHT

