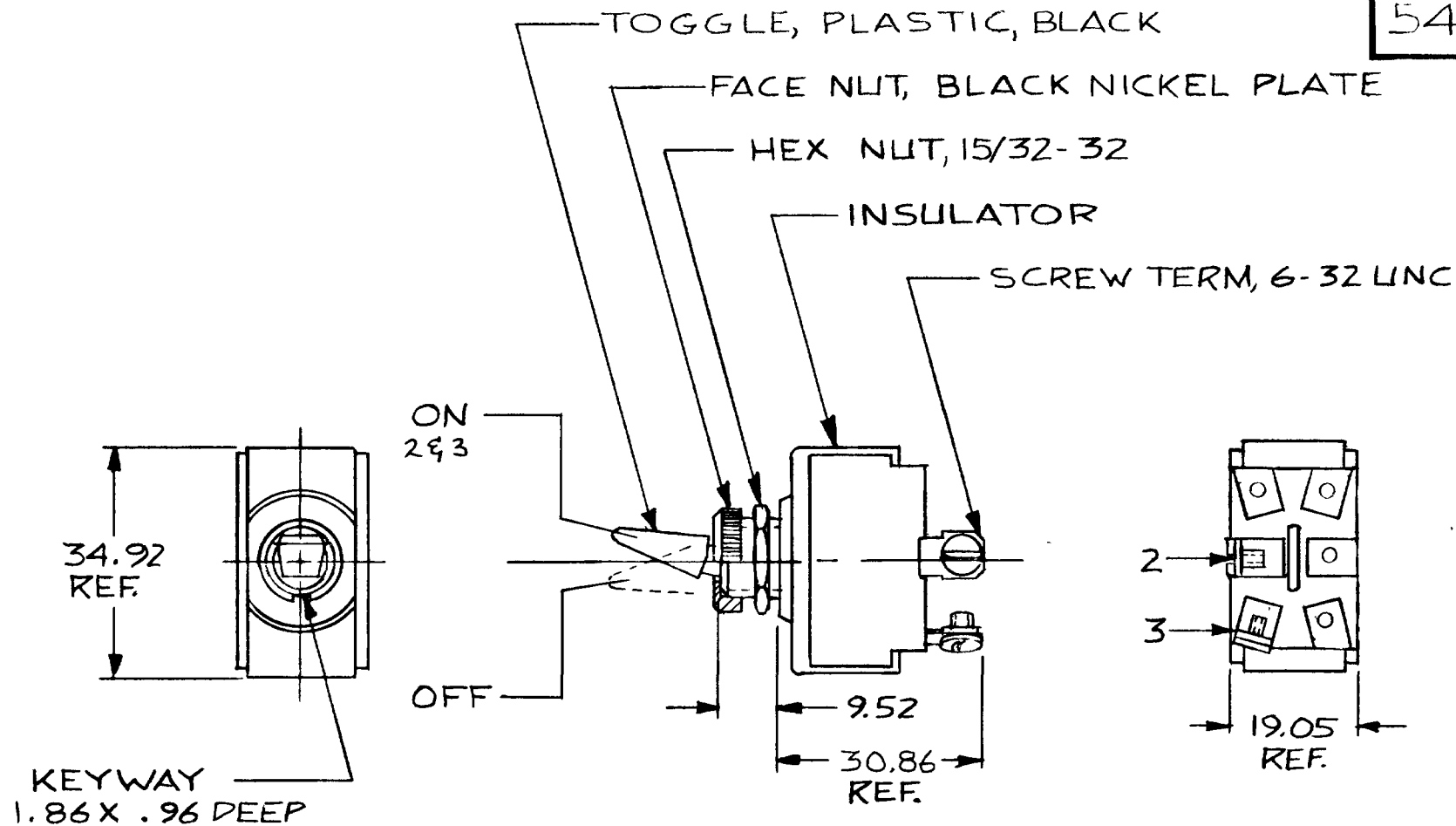


54100



NOTES

1. SILVER CONTACTS
2. RATING: 25AMPS @12V. DC.
LAMP LOAD

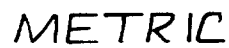
METRIC

DO NOT SCALE

LET	WAS	DATE	BY	LET	WAS	DATE	BY	MATERIAL	DRAWN	CHECKED	APPRV D	SCALE	DATE DRAWN
								H	DPS	RJA		1:1	10-5-81
								FINISH	 Cole Hersee Co. 20 OLD COLONY AVENUE SOUTH BOSTON MA U S A 02127				DATE BLUEPRINT
							H						
								TOLERANCES	S.P.S.T. TOGGLE SW.				54100
							DECIMAL $\pm .010$						
								METRIC $\pm .25$					
							ISSUED	11-2-81	RJA				

CH-188(4-78)

54101



CH-188(4-78)

54101-01

Confidential Property of Cole Hersee

54103



METRIC

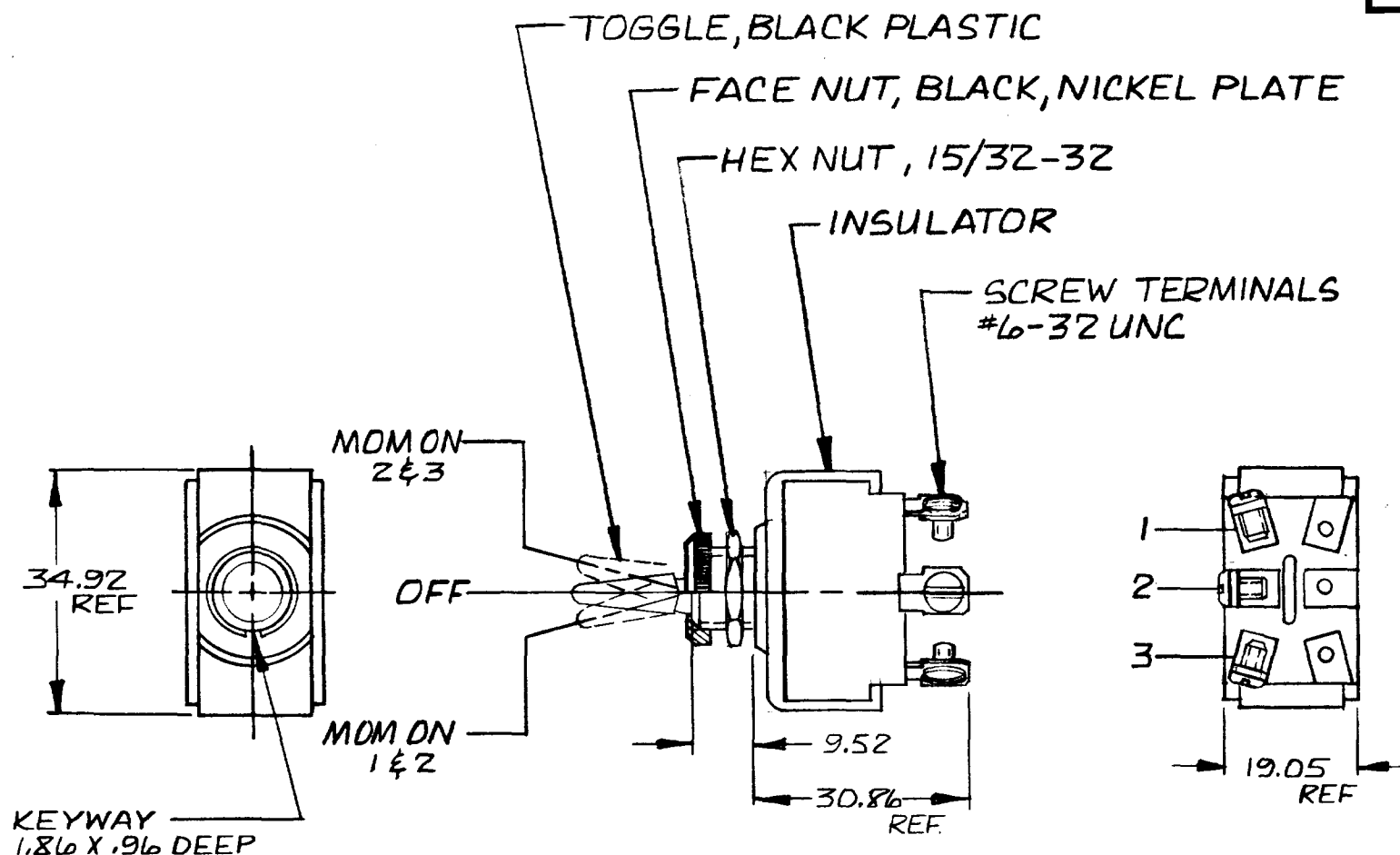
DO NOT SCALE

DO NOT SCALE														
LET	WAS	DATE	BY	LET	WAS	DATE	BY	MATERIAL	DRAWN	CHECKED	APPR'D	SCALE	DATE DRAWN	
								H	DPS	RAJ		1:1	10-5-81	
								FINISH	 Cole Hersee Co. 20 OLD COLONY AVENUE SOUTH BOSTON, MA. U.S.A. 02127				DATE BLUEPRINT	
								H						
								TOLERANCES						
								DECIMAL $\pm .010$	S.P.D.T. TOGGLE SW.				54103	
								METRIC $\pm .25$						
					ISSUED	11-2-81	RAJ							

MM IN

.25	.010
.96	.038
1.82	.072
9.52	.375
19.05	.750
30.86	1.215
34.92	1.375

54104



NOTES:

1. SILVER CONTACTS
2. RATING: 25 AMPS @ 12V DC LAMP LOAD

METRIC

DO NOT SCALE

LET.	WAS	DATE	BY	LET.	WAS	DATE	BY	MATERIAL	DRAWN	CHECKED	APPR'D	SCALE	DATE DRAWN
								#	B	RJ		1:1	11-5-81
								FINISH					DATE BLUEPRINT
								#					
								TOLERANCES					
								DECIMAL ±					
								METRIC ±.25					
					ISSUED	11-6-81	RJ		S.P.-D.T. MOM TOGGLE SW				54104

CH-188(4-78)

54105

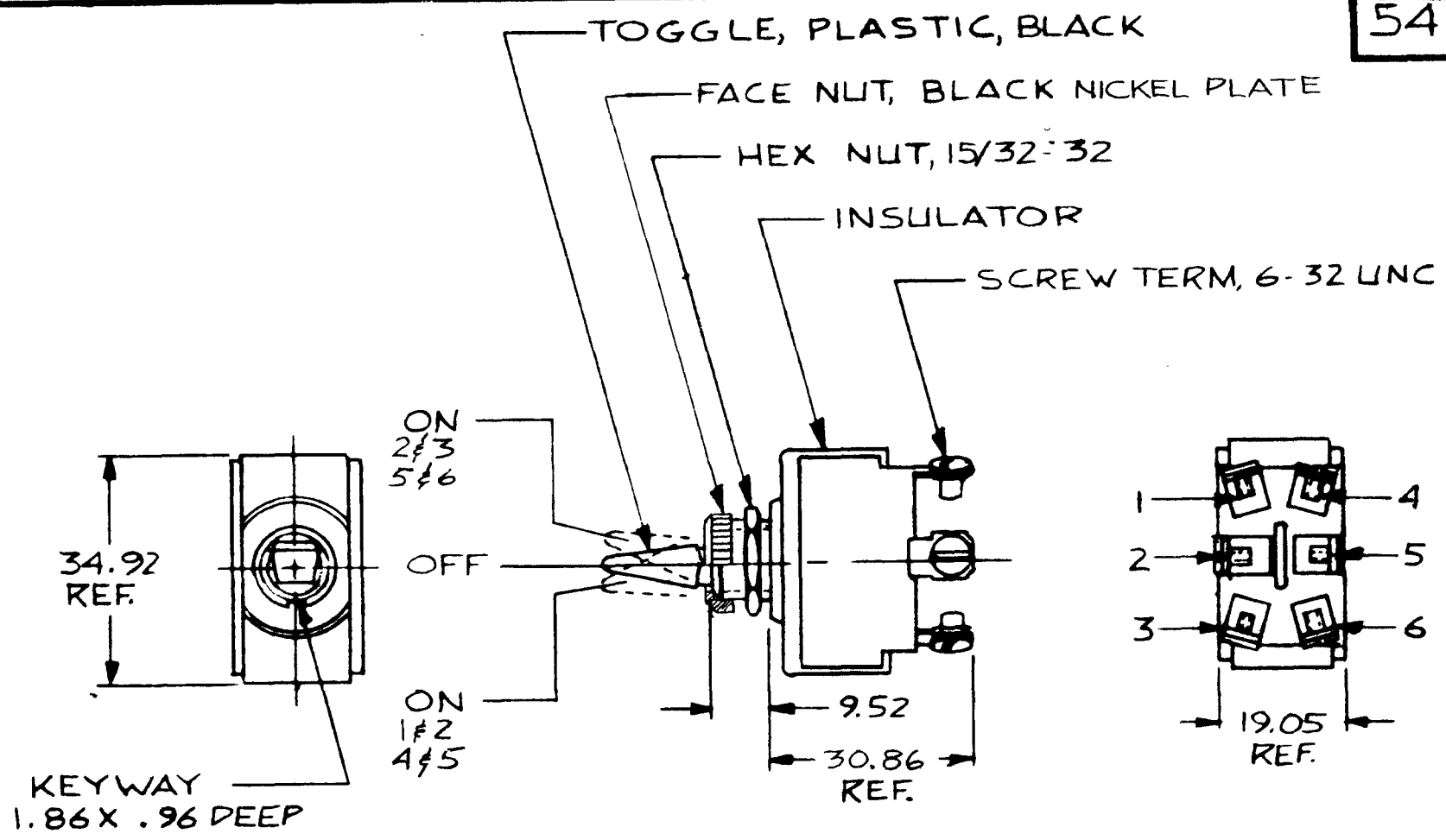


DO NOT SCALE

EX-1004-70

DIM IN
 .038
 .072
 .375
 .750
 1.215
 1.375

54107



NOTES
 1. SILVER CONTACTS
 2. RATING: 25AMPS @12V. DC LAMP LOAD

METRIC

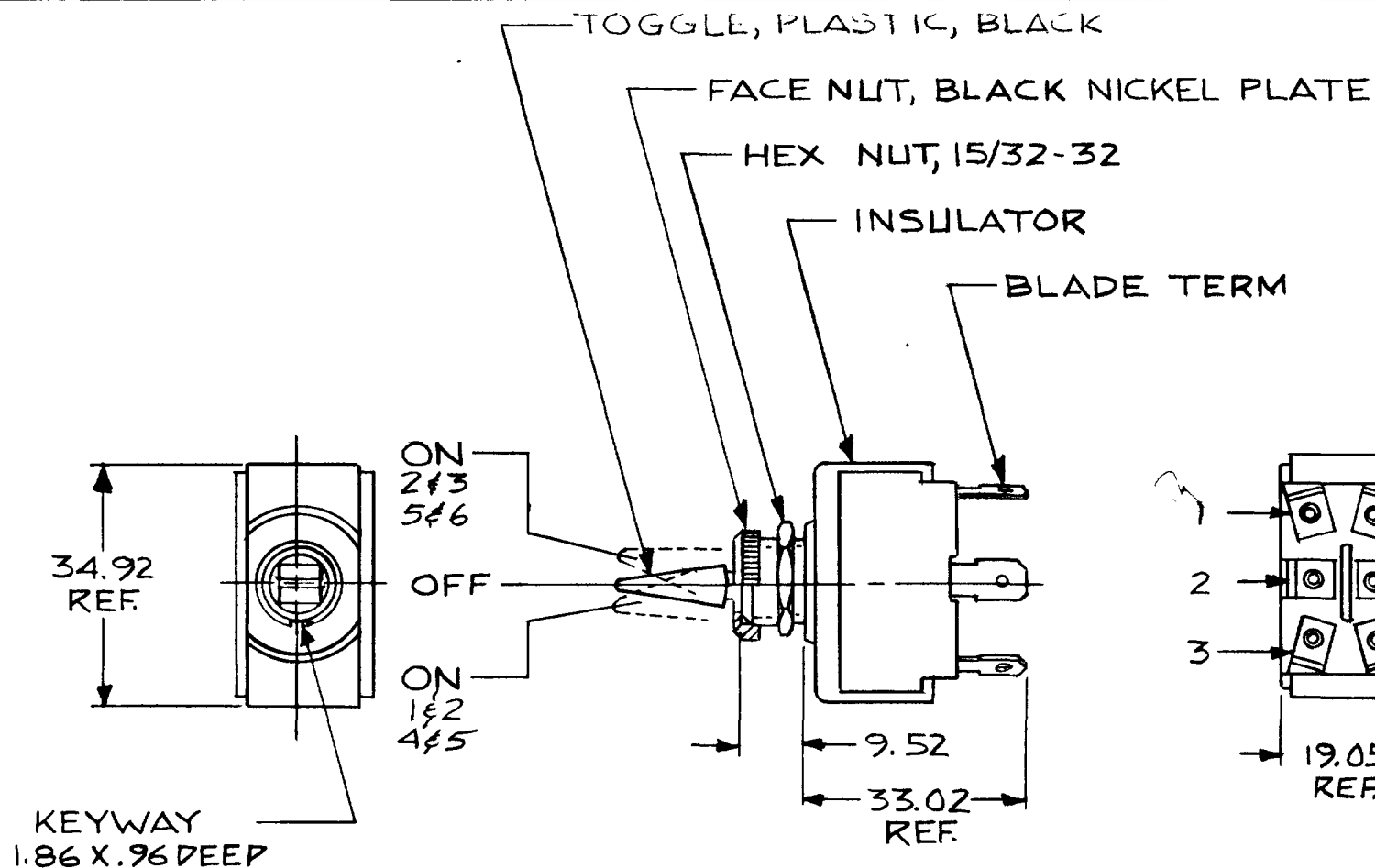
DO NOT SCALE

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								FINISH					DATE BLUEPRINT
								—H—					
								TOLERANCES					
								DECIMAL ±.010					
								METRIC ±.25					
					ISSUED	11-2-81	RJA		D.P.D.T. TOGGLE SW.				54107

Cole Hersee Co.
20 OLD COLONY AVENUE SOUTH DARTFORD, ENGLAND

MM	IN
.96	.038
1.86	.072
9.52	.375
19.05	.750
33.02	1.300
34.92	1.375

54107-01



NOTES:
1. SILVER CONTACTS
2. RATING: 25AMPS @ 12V. D.C.
LAMP LOAD

METRIC

DO NOT SCALE

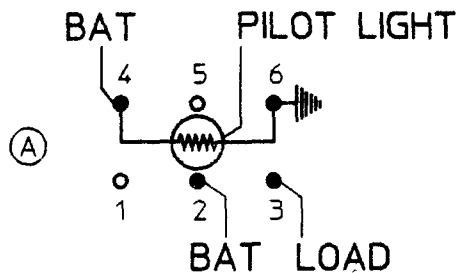
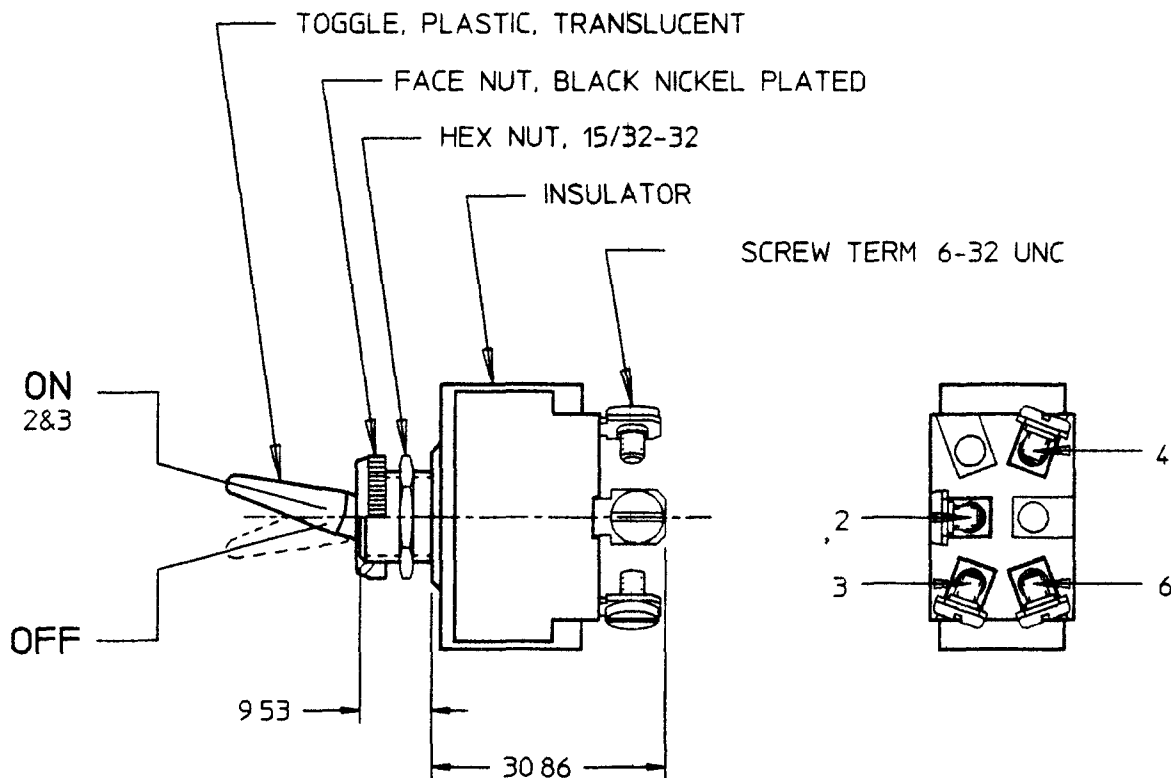
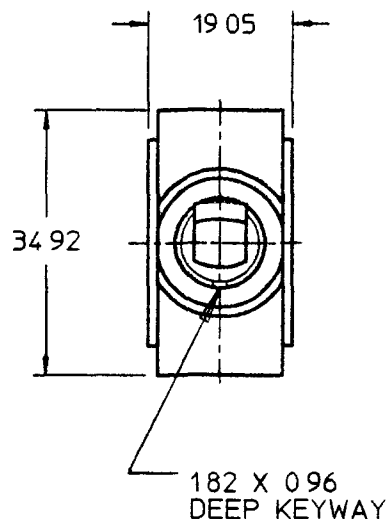
LET	WAS	DATE	BY	LET	WAS	DATE	BY	MATERIAL	DRAWN	CHECKED	APPRV D	SCALE	DATE DRAWN
								—H—	DPS	RJR		1:1	10-2-81
								FINISH —H—	 Cole Hersee Co. 20 OLD COLONY AVENUE SOUTH BOSTON MA U S A 02127				DATE BLUEPRINT
								TOLERANCES	D.P.D.T. TOGGLE SW				54107-01
								DECIMAL $\pm .010$					
								METRIC $\pm .25$					
								Issued	11-2-81	RJR			

CH-188(4-78)

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54109

MM	IN
0 96 0	0 32
1 82 0	0 72
9 53 0	3 75
19 05 0	7 50
30 86 1	2 15
34 92 1	3 75



NOTES

- 1 SILVER CONTACTS
- 2 25 AMPS @ 12V DC LAMP LOAD
- 3 INDEPENDENT PILOT LIGHT (12V BULB) @ 4 & 6 (SEE CHART FOR COLOR)
- 4 NEOPRENE SEAL IN BUSHING
- 5 ALL DIMENSIONS REFERENCE

ON	RED
OFF	WHITE
TOGGLE POS	PILOT LT 'ON' TOGGLE COLOR

METRIC

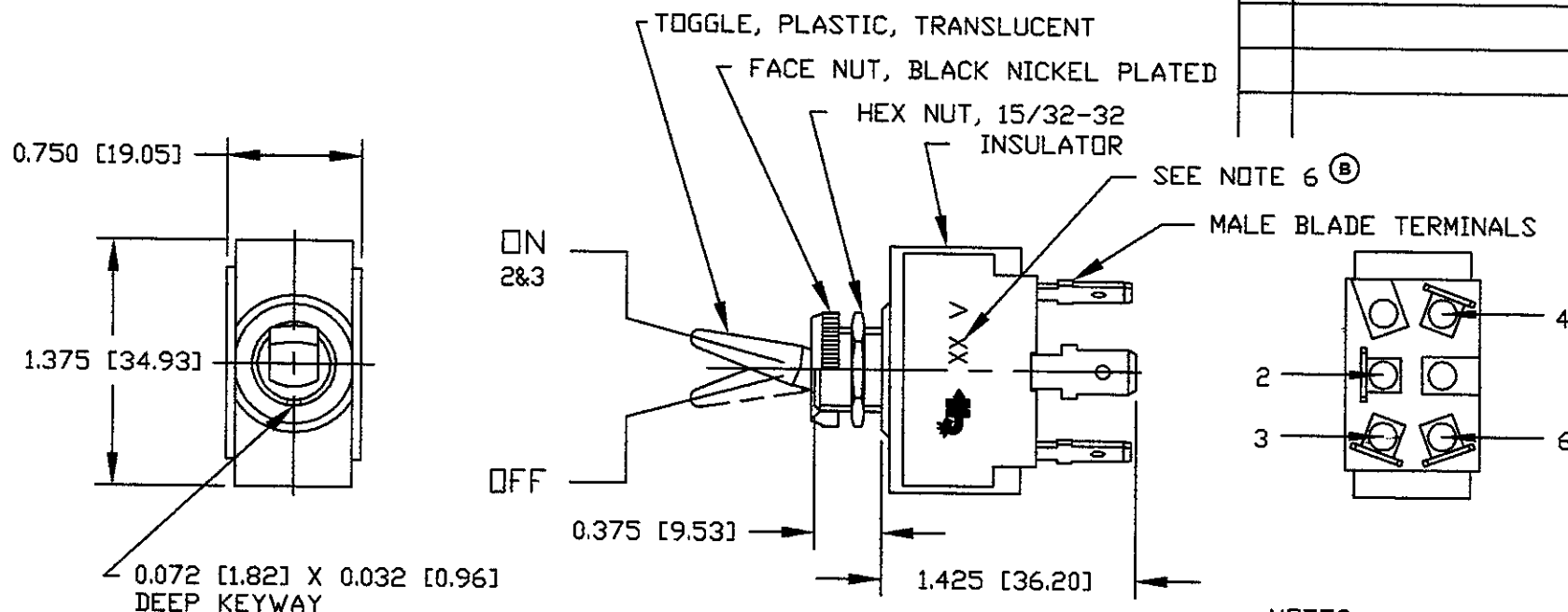
DO NOT SCALE

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								FINISH					DATE BLUEPRINTED
				A	PUT ON CAD ECN 26129	3/5/96	EB	TOLERANCES DECIMAL ± ANGLE ±					
					ISSUED	11/2/81	RJF						
SW, TOGGLE SPST													54109
Confidential Property of Cole Hersee													

Cole Hersee Co.
20 OLD COLONY AVENUE BOSTON MA USA 02127

Revision Control Record

Rev.	Description of Change	ECN No.	Date
B	ADD LOGO & VOLTAGE NOTE	07303	08/06/07



NOTES:

1. SILVER CONTACTS
2. 25 AMPS @ 12V DC LAMP LOAD
3. INDEPENDENT PILOT LIGHT (12V BULB) @ 4 & 6 (SEE CHART FOR COLOR)
4. NEOPRENE SEAL IN BUSHING
5. ALL DIMENSIONS REFERENCE
6. IMPRINT CH LOGO & 12V

ON	RED
OFF	WHITE
TOGGLE POS.	PILOT LT "ON" TOGGLE COLOR

Tolerances. Unless otherwise specifically noted, the following are default tolerances:
 * 2-place Decimal Dimensions $\pm .02"$
 * 3-place Decimal Dimensions $\pm .005"$
 * Angular Dimensions ± 1.0 Deg.
 * Metric: Refer to equivalent English Dimension Tolerance
 >>> NOTE: All tolerances are Non-Cumulative. <<<

Dimensional Units. All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters

"REF." or an Asterisk (*) = Non-Toleranced Reference Dimension, shown for clarification purposes only.

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Critical Characteristic, relating to Safety and/or Regulatory Compliance



Significant Characteristic relating to Process Control (SPC)



Key Characteristic relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer

(Note that the identification of any Characteristics as being "Special" does not alter the requirement that ALL specified dimensions & tolerances must be met.)



Cole Hersee Co.

20 Old Colony Ave., South Boston, MA, 02127
 Phone: 617-268-2100 Web: www.colehersee.com

Description:

SW, TOGGLE, SPST

Drawing / Part No.: **54109-01**

Current Rev.

B

Used On or Ref.:

Scale: **1:1**

Drawn By: **DPS**

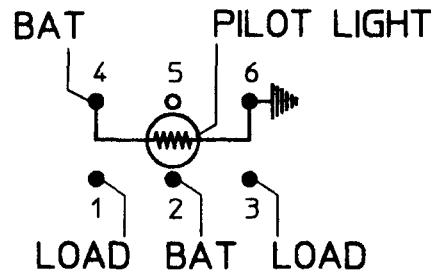
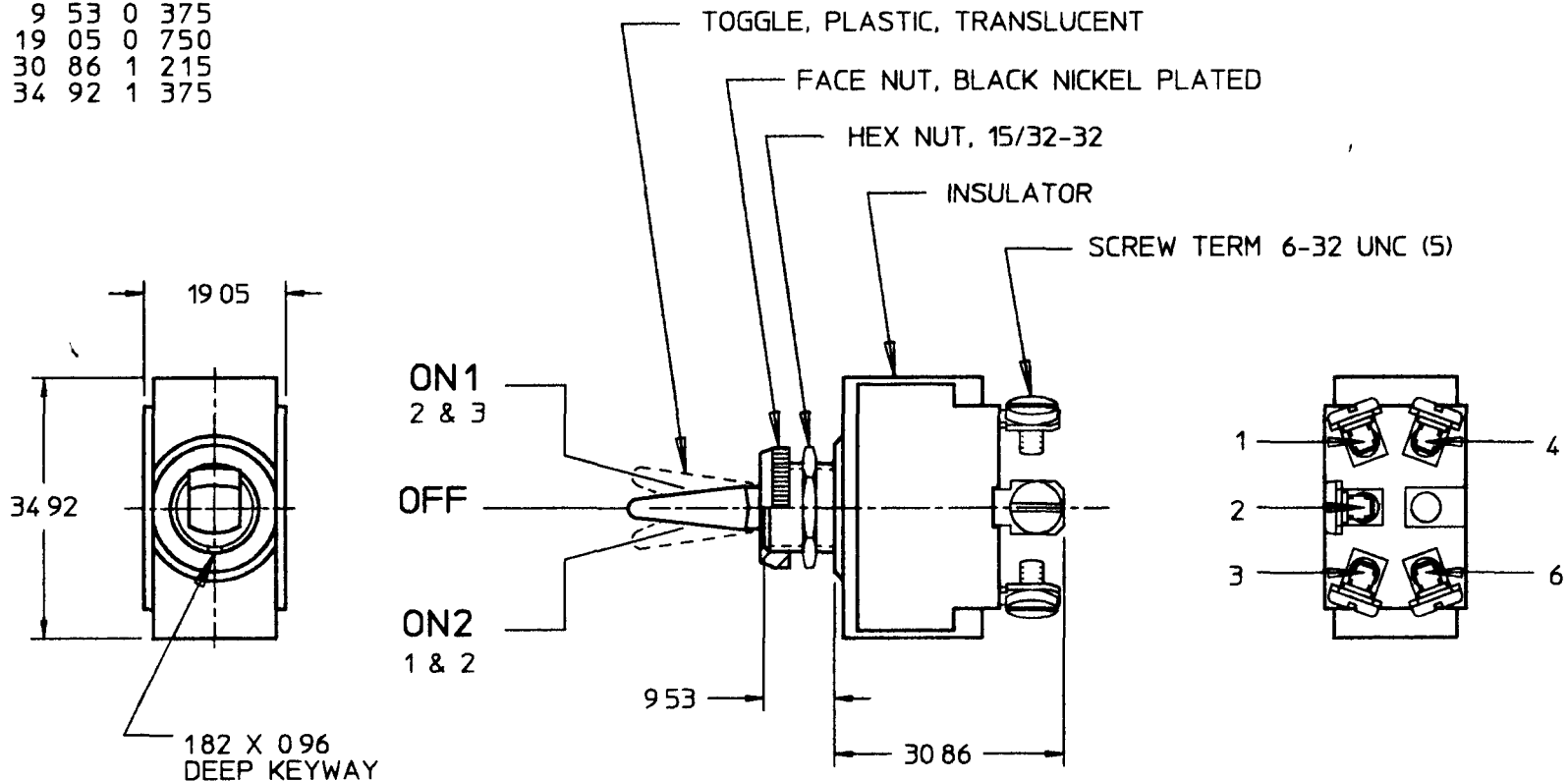
Date Drawn: **09/30/81**

Responsible Engineer: **GA**

Pg. 1 of 1

54110

MM	IN
0 96	0 032
1 82	0 072
9 53	0 375
19 05	0 750
30 86	1 215
34 92	1 375



NOTES

- 1 SILVER CONTACTS
- 2 25 AMPS @ 12V DC LAMP LOAD
- 3 INDEPENDENT PILOT LIGHT (12V BULB) @ 4 & 6 (SEE CHART FOR COLOR)
- 4 NEOPRENE SEAL IN BUSHING
- 5 ALL DIMENSIONS REFERENCE

ON1	RED
OFF	WHITE
ON2	WHITE
TOGGLE POS.	PILOT LT 'ON' TOGGLE COLOR

METRIC

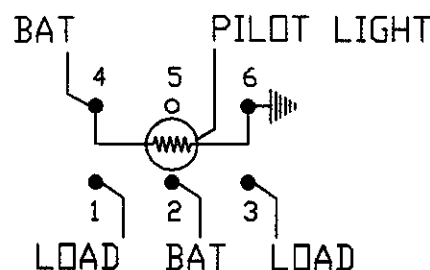
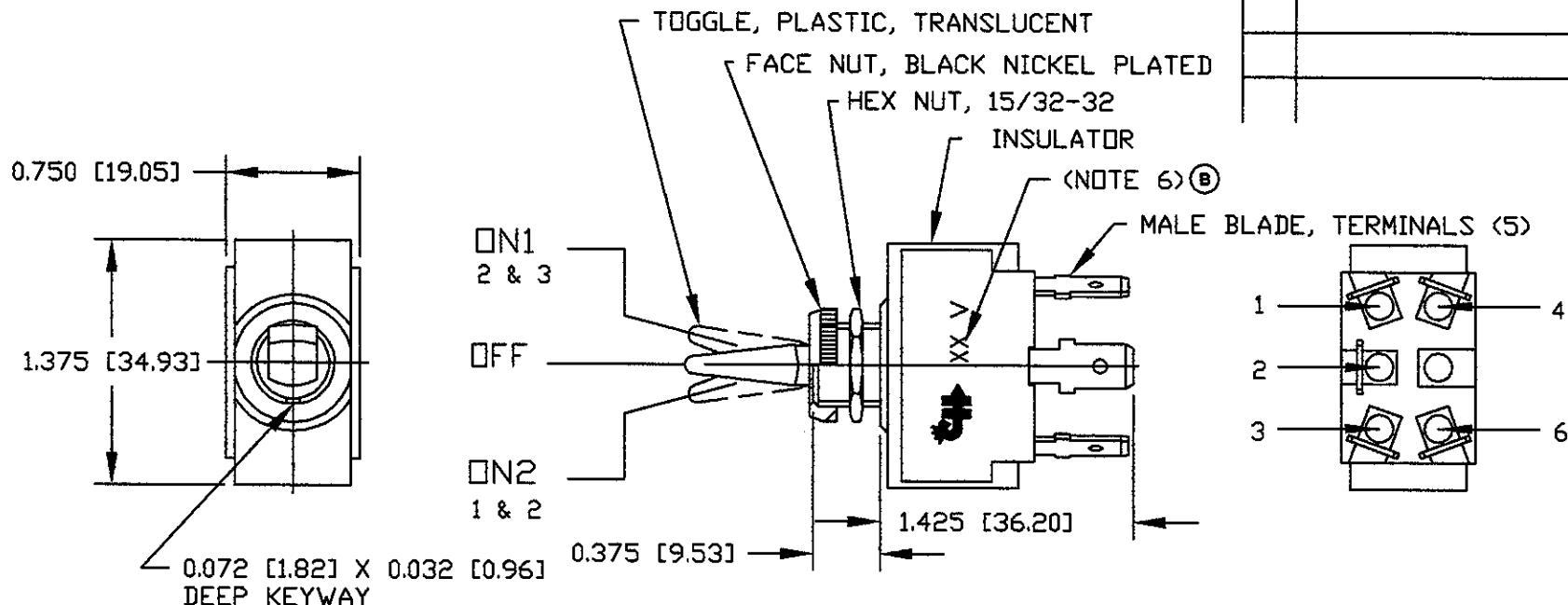
DO NOT SCALE

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								FINISH	 Cole Hersee Co. 20 OLD COLONY AVENUE BOSTON, MA, U.S.A., 02127				DATE BLUEPRINTED
				A	PUT ON CAD ECN 26129	3/5/96	EB	TOLERANCES DECIMAL ± 0.10 ANGLE $\pm$					
					ISSUED	11/2/81	RJF		SW, TOGGLE SPST				54110

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Revision Control Record

Rev.	Description of Change	ECN No.	Date
B	ADD LOGO & VOLT IMPRINT	07303	08/20/07



NOTES:

- SILVER CONTACTS
- 25 AMPS @ 12V DC LAMP LOAD
- INDEPENDENT PILOT LIGHT (12V BULB) @ 4 & 6 (SEE CHART FOR COLOR)
- NEOPRENE SEAL IN BUSHING
- ALL DIMENSIONS REFERENCE
- IMPRINT CH LOGO & 12V

ON1	RED
OFF	WHITE
ON2	WHITE
TOGGLE POS.	PILOT LT "ON" TOGGLE COLOR

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 * 3-place Decimal Dimensions $\pm .005"$
 * Angular Dimensions ± 1.0 Deg.
 * Metric: Refer to equivalent English Dimension Tolerance
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Cole Hersee Co.

20 Old Colony Ave., South Boston, MA, 02127
 Phn 617-288-2100 Web: www.colehersee.com

Description:

SW, TOGGLE, SPST

Drawing/
Part No.:

54110-01

Current Rev.

B

Used On
or Ref.:

Scale: **1:1**

Drawn By: **DPS**

Date Drawn: **10/01/81**

Responsible Engineer:

Pg. 1 of 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

[54109](#) [54109-01](#) [54100-01](#) [54100](#) [54107-01](#) [54107](#) [54103](#) [54104](#)