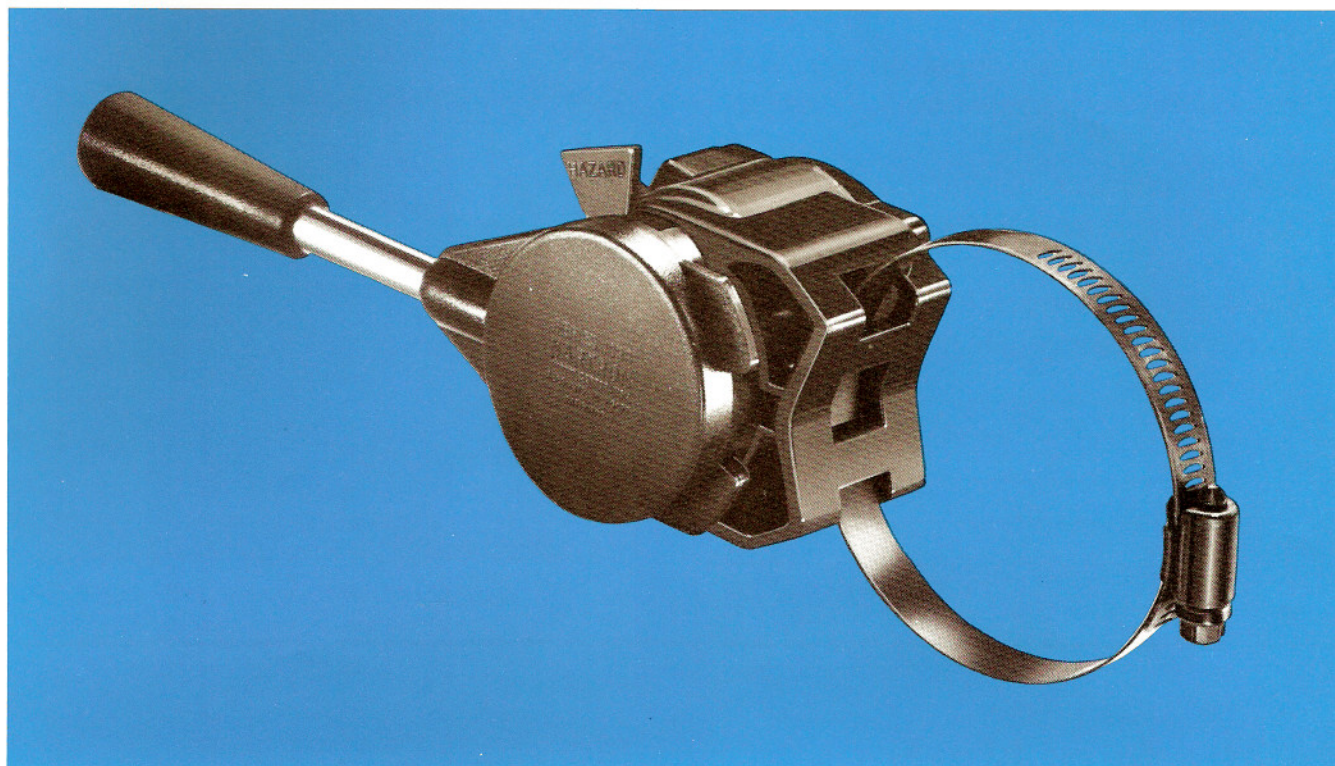


Turn Signal Switch

Saves downtime and cuts costs, the only commercial switch also certified for the rugged requirements of the military



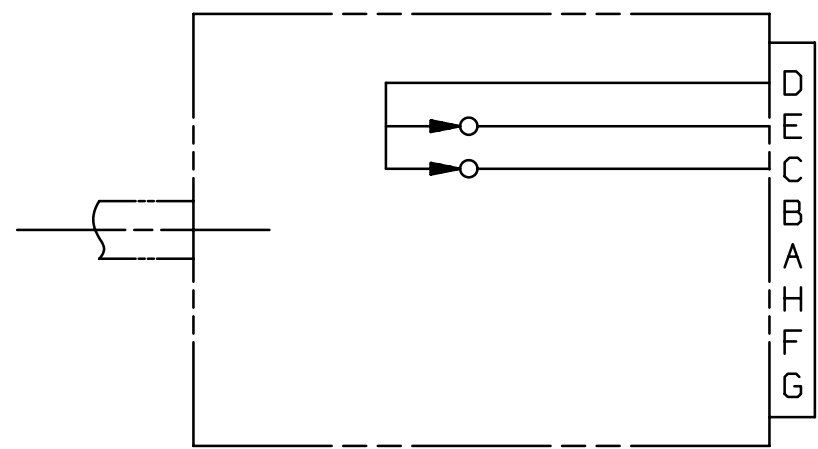
- Provides more than twice the design life of conventional switches.
- Guaranteed to operate 500,000 over-the-road miles.
- 30 amp patented snap-action switching for fast make and break.
- Large silver contacts for reliability and long life.
- Specified as the standard by "West Coast Type" truck builders.
- Specified as standard by the world's largest truck fleets.
- The only approved switch offering self cancelling as a standard option.
- All wires identified for easy field retrofit.

1030-3	3 wire manual cancelling
1030-6	6 wire manual cancelling
1030-10-3	3 wire self cancelling
1030-10-6	6 wire self cancelling

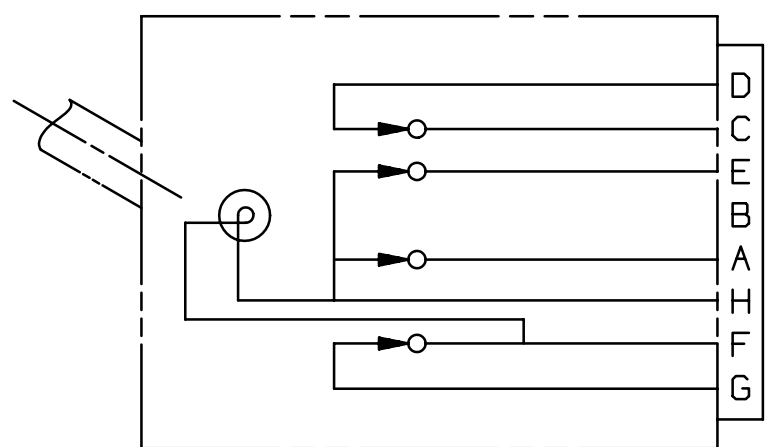
Reed City, Michigan 49677 Phone: 231-832-5525

NARTRON[®]
CORPORATION

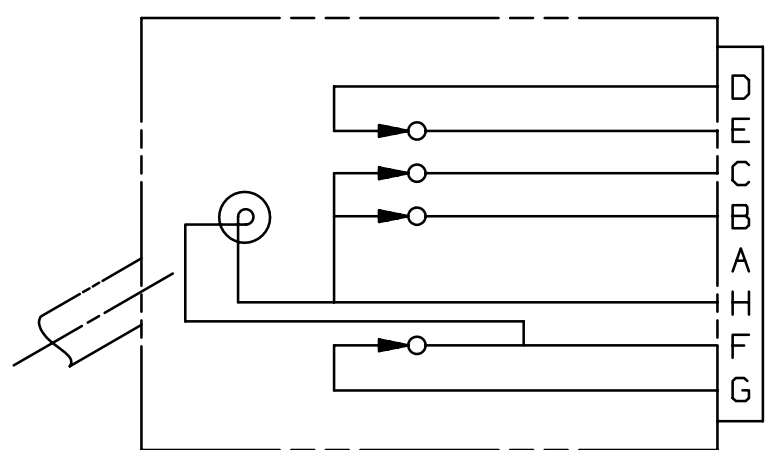
KEY PRODUCT CHARACTERISTICS		
SAFETY/ COMPLIANCE		FIT/ FUNCTION
NO. OF KPC'S ON DWG. - 2		LAST NO. USED - 2
KPC NO.	DESCRIPTION	LOC.
1	NOTE 9 A)	NOTES
2	NOTE 9 D)	NOTES



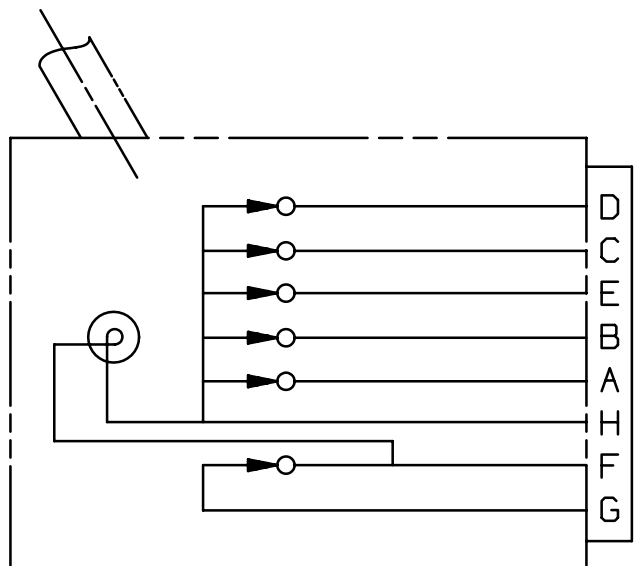
NEUTRAL POSITION



RIGHT TURN POSITION



LEFT TURN POSITION



HAZARD WARNING POSITION
WITH BRAKE OVER-RIDE

RECEPTACLE MATES WITH
MS 3106, 3107 AND 3108-18-8S
PLUG CONNECTORS

GASKET

NOTES:

- CONFORMS TO MIL-C-62069D EXCEPT AS NOTED. THE CONTROL UNIT CLASSIFICATION IS TYPE I, CLASS 2 PER MIL-STD-1184(AT).
- MATERIAL: ALL EXPOSED PLASTIC PARTS TO BE BLACK POLYCARBONATE EXCEPT LAMP LENS TO BE GREEN.
- CONTROL UNIT IS ORDNANCE PART No. 12447083.
- CANCELLING PIN ASSEMBLY IS ORDNANCE PART No. 12447084.
- NO SUBSTITUTE SWITCH ACCEPTABLE WITHOUT COGNIZANT GOVERNMENT AGENCY APPROVAL.

6

APPLY PART NO. IN ACCORDANCE WITH MIL-STD-130.
19207-12447083 MFR-32498

- A) CANCELLING PIN ASSEMBLY HAS SPRING LOADED CANCELLING PINS TO PREVENT BREAKAGE BY ALLOWING CANCELLING PINS TO RIDE OVER CANCELLING LEVER IF TURN SIGNAL SWITCH LEVER IS HELD IN EITHER TURN POSITION AND THE STEERING WHEEL IS ROTATED IN THE SELF CANCELLING DIRECTION.
B) SELF CANCELLING FUNCTION MUST NOT RESTRICT STEERING WHEEL ROTATION.

- INDICATOR LIGHT MUST BE CLEARLY VISIBLE WHEN VIEWED FROM THE DRIVER'S NORMAL POSITION IN DIRECT SUNLIGHT, BUT MUST NOT IMPEDE NIGHT TIME DRIVING. LAMP VISIBILITY MUST HAVE COGNIZANT GOVERNMENT AGENCY APPROVAL.

9. INSTALLATION

- CANCELLING PIN ASSEMBLY TO BE INSTALLED AS SHOWN.
- ASSEMBLY MUST BE HELD AGAINST SURFACE **-A-** OF STEERING WHEEL DURING INSTALLATION OF SCREWS.
- ROTATE STEERING WHEEL SO GAGE POSTS ARE VISUALLY CENTERED ON STEERING COLUMN BRACKET.
- PLACE TURN SIGNAL SWITCH HANDLE IN HAZARD POSITION.
- INSTALL SELF CANCELLING TURN SIGNAL SWITCH SUCH THAT SURFACE **-B-** IS AGAINST BOTH GAGE POSTS AND INSTALL (4) SCREWS.
- ROTATE STEERING WHEEL SUCH THAT GAGE POSTS ARE CLEAR OF SURFACE **-B-**.
- CUT GAGE POSTS OFF WITHIN 1/4 INCH OF BASE.

10

MOUNTING SCREWS ARE SPECIFIED FOR REFERENCE ONLY, AND ARE NOT PROVIDED WITH UNITS.

11

HANDLE ACTUATION FORCE IS 1.3 TO 2.7 LBS.

12

LABEL TO READ AS FOLLOWS: 19207-12447084
MFR-32498

REV	DATE	BY	DESCRIPTION
A	5-1-96	DER	RELEASED PER ECO #7071
B	9-11-96	DER	ADDED LABEL AND NOTE 12 PER ECO #7140
C	9-30-99	DAS	MOVED Ø2.860±0.020 DIM PER ECO #8042
D	7-24-01	DAS	ADD IDENT NUMBERS TO NOTE 6 PER ECO #8789

10

REF: SCREW, NO. 8-32 UNC 2A
PAN HEAD, PHILLIPS DRIVE
1/2 IN LONG,
4 PL., SEE NOTE 9D

CANCELLING LEVER
SEE NOTE 7A

GAGE POSTS
SEE NOTE 9B

GREEN LAMP
LENS

LAMP NO. 1873
WITHIN ENVELOPE
DIMENSIONS

3.77±0.08

STEERING WHEEL REF. CANCELLING PINS
TO BE POSITIONED 90°±5° FROM TURN
SIGNAL SWITCH WHEN VEHICLE FRONT
WHEELS ARE DIRECTED STRAIGHT AHEAD

P/N 1030013 SWITCH, TURN
SIGNAL SELF CANCELLING
SEE OUTLINE DWG, SHEET 2

SEE
NOTE
9A

Ø OF STEERING COLUMN

10

REF: SCREW, NO. 6, TYPE 17
THREAD CUTTING, RND HEAD,
PHILLIPS DRIVE, 1/2 IN
LONG, 3 PL., SEE NOTE 9A

P/N 3311535
ASS'Y, CANCELLING PIN
SEE OUTLINE DRAWING,
SHEET 2 - SEE NOTE 7A

GAGE POST 2 PL.
SEE NOTE 9D

CANCELLING PIN 2 PL.
SEE NOTE 7A

1.75 REF.

CONNECTOR TERMINAL	CIRCUIT
A	R. FRONT
B	L. FRONT
C	L. REAR
D	BRAKE
E	R. REAR
F	B+ OUT
G	B+ IN
H	FLASHER IN

SPECIFICATION CONTROL DRAWING

DRAWN	DATE	REQ'D	ITEM	PART NO	DESCRIPTION
DER	3-10-95	DO NOT SCALE			LIST OF MATERIALS
CHECKED	DATE	DIMENSIONS ARE IN INCHES			
DWB	3-10-95				
APPROVED	DATE	TOLERANCE UNLESS OTHERWISE SPECIFIED			
PHS	3-20-95				
MATERIAL		2 PLACE DECIMALS ±0.01			
		3 PLACE DECIMALS ±0.005			
NEXT ASSEMBLY		ANGLES ±1/2°			
		THDS. INT 2B EXT 2A			
		SCALE 1 : 1			
		THDS. INT 2B EXT 2A			
		SHEET 1 OF 2			

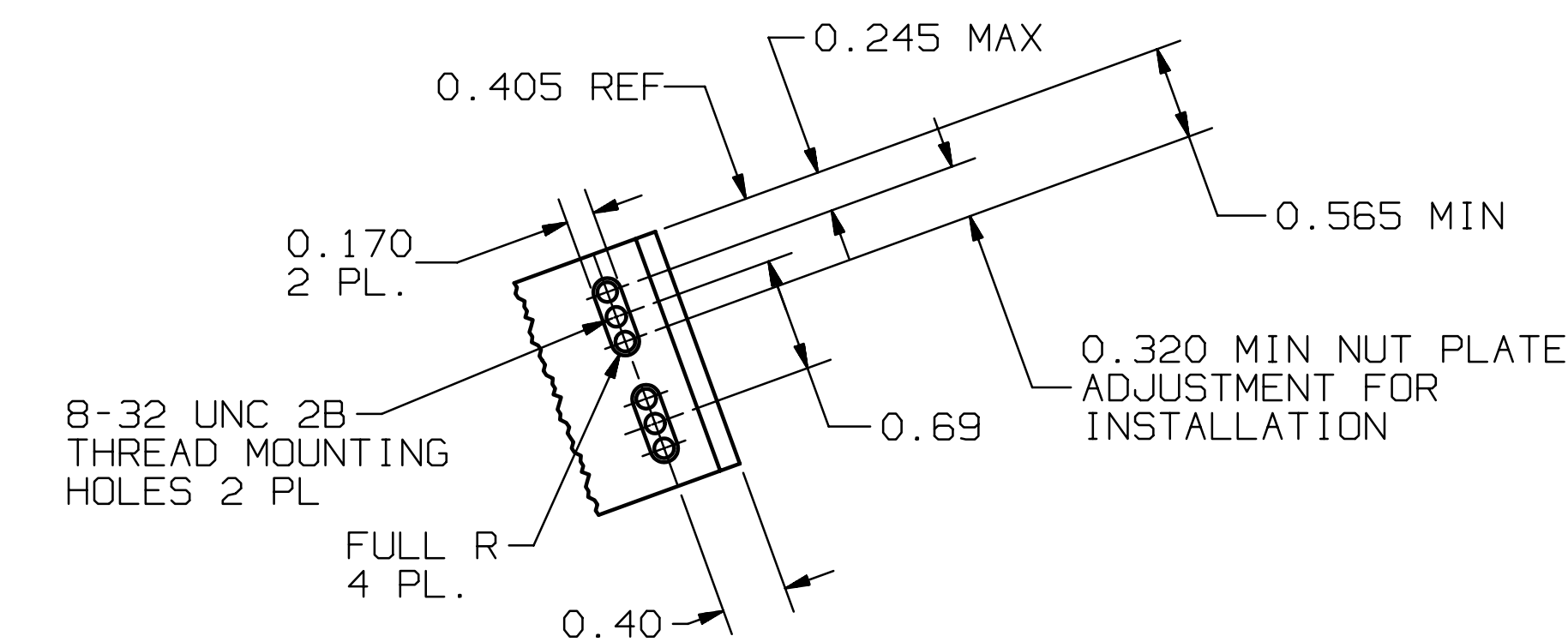
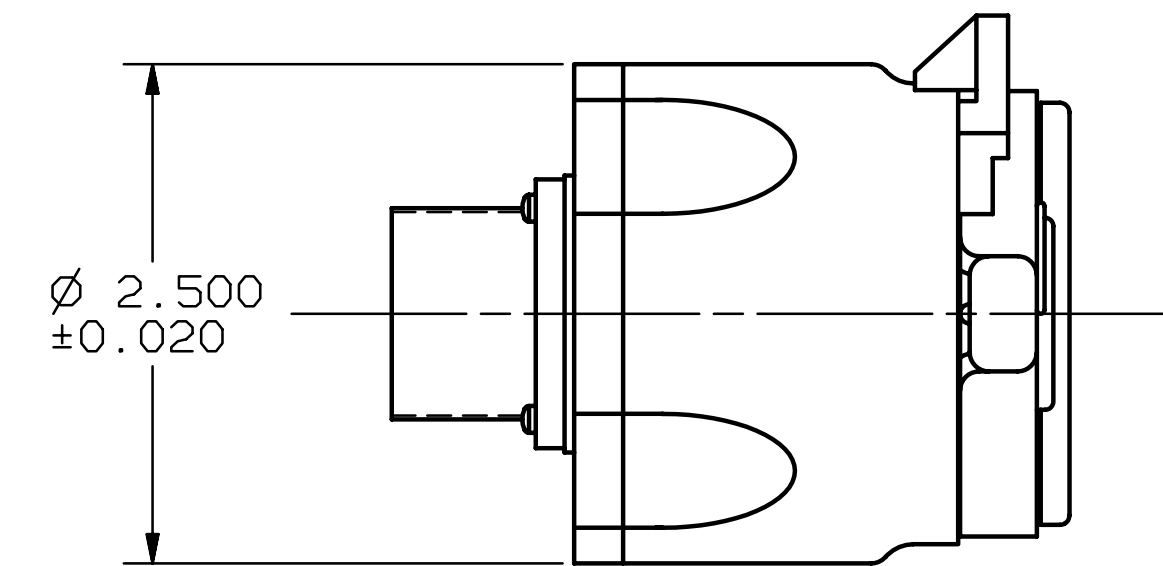
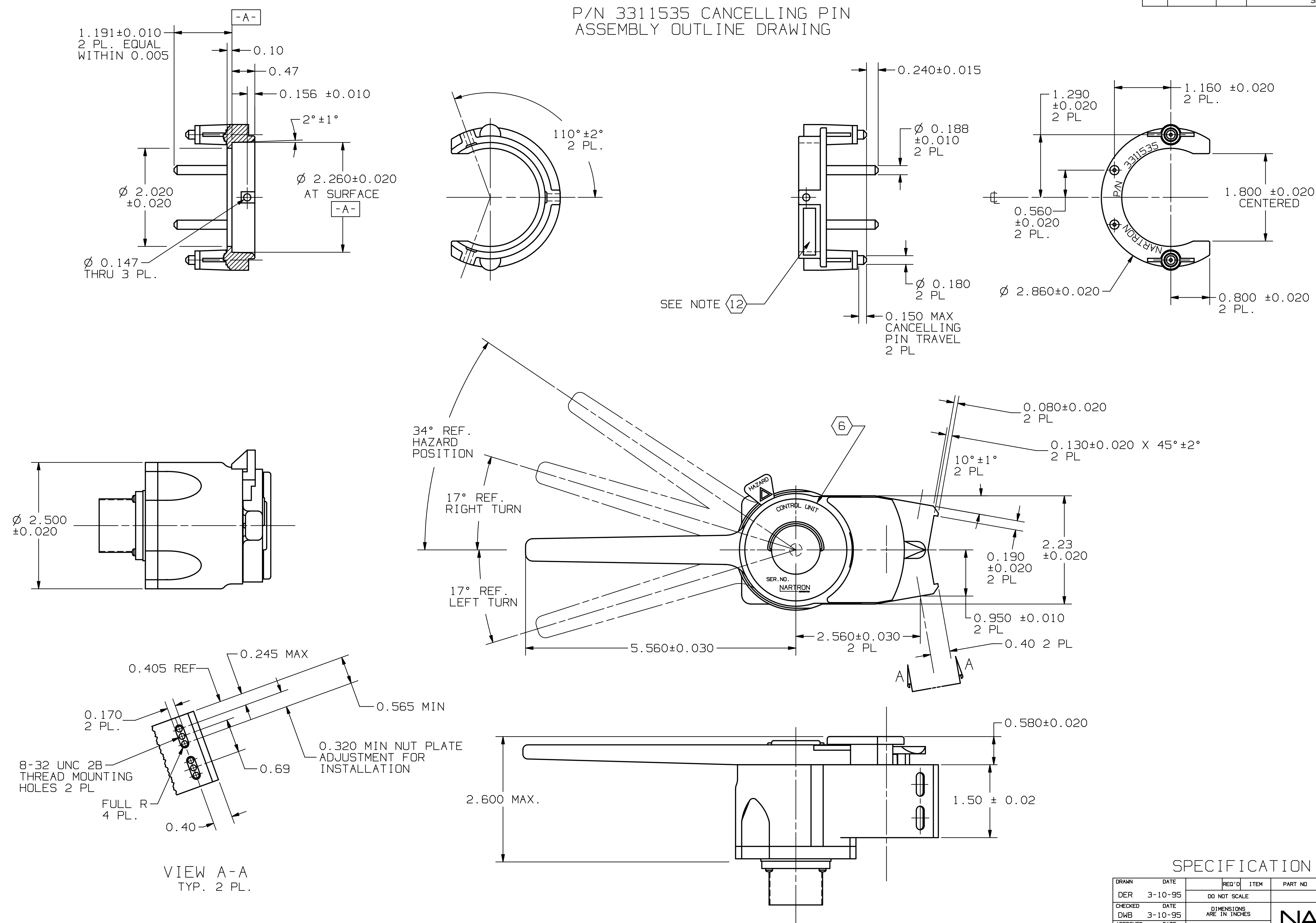
NARTRON
NARTRON CORPORATION CORPORATION

REED CITY, MI 49677
DIVISION

SWITCH, TURN SIGNAL,
SELF CANCELLING-SYSTEM

1030121

REV	DATE	BY	DESCRIPTION
			SEE SHEET 1 FOR REVISIONS



VIEW A-A
TYP. 2 PL.

P/N 1030013 SWITCH, TURN SIGNAL
SELF CANCELLING OUTLINE DRAWING

SPECIFICATION CONTROL DRAWING

DRAWN	DATE	REQ'D	ITEM	PART NO	DESCRIPTION
DER	3-10-95		DO NOT SCALE		LIST OF MATERIALS
CHECKED	DATE		DIMENSIONS ARE IN INCHES		
DWB	3-10-95				
APPROVED	DATE		TOLERANCE UNLESS OTHERWISE SPECIFIED		
PHS	3-20-95				
MATERIAL			2 PLACE DECIMALS ±0.01		
			3 PLACE DECIMALS ±0.005		
NEXT ASSEMBLY			ANGLES ±1/2°		
			THDS. INT 2B EXT 2A		
			SCALE 1 : 1		
			SHEET 2 OF 2		

NARTRON REED CITY, MI 49677
NARTRON CORPORATION CORPORATION

NAME
SWITCH, TURN SIGNAL,
SELF CANCELLING-SYSTEM

NO
1030121