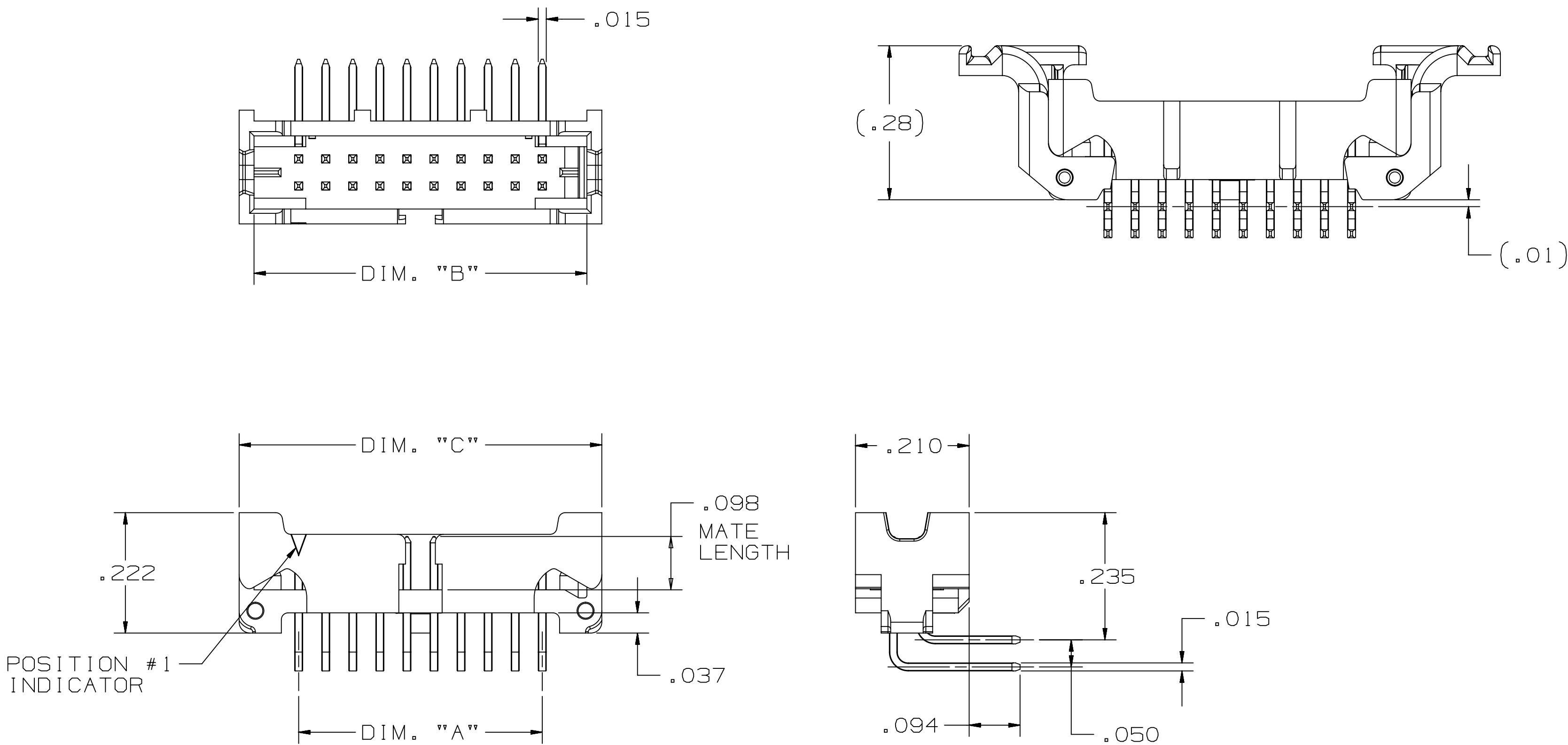
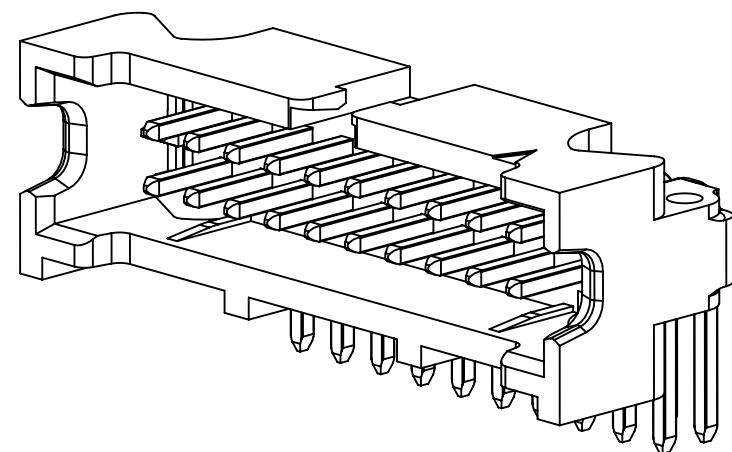


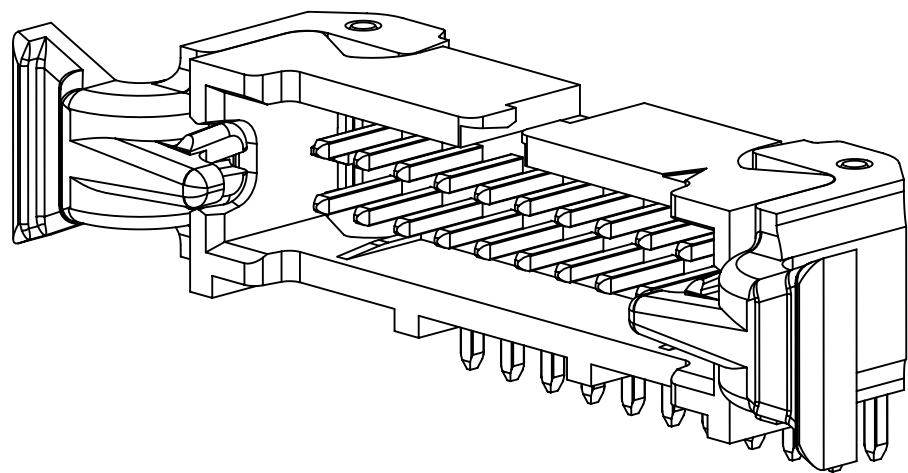
3M™ SHROUDED BOARDMOUNT HEADER, 1.27mm (0.050") PITCH
LATCH AND EJECT, 452 SERIES



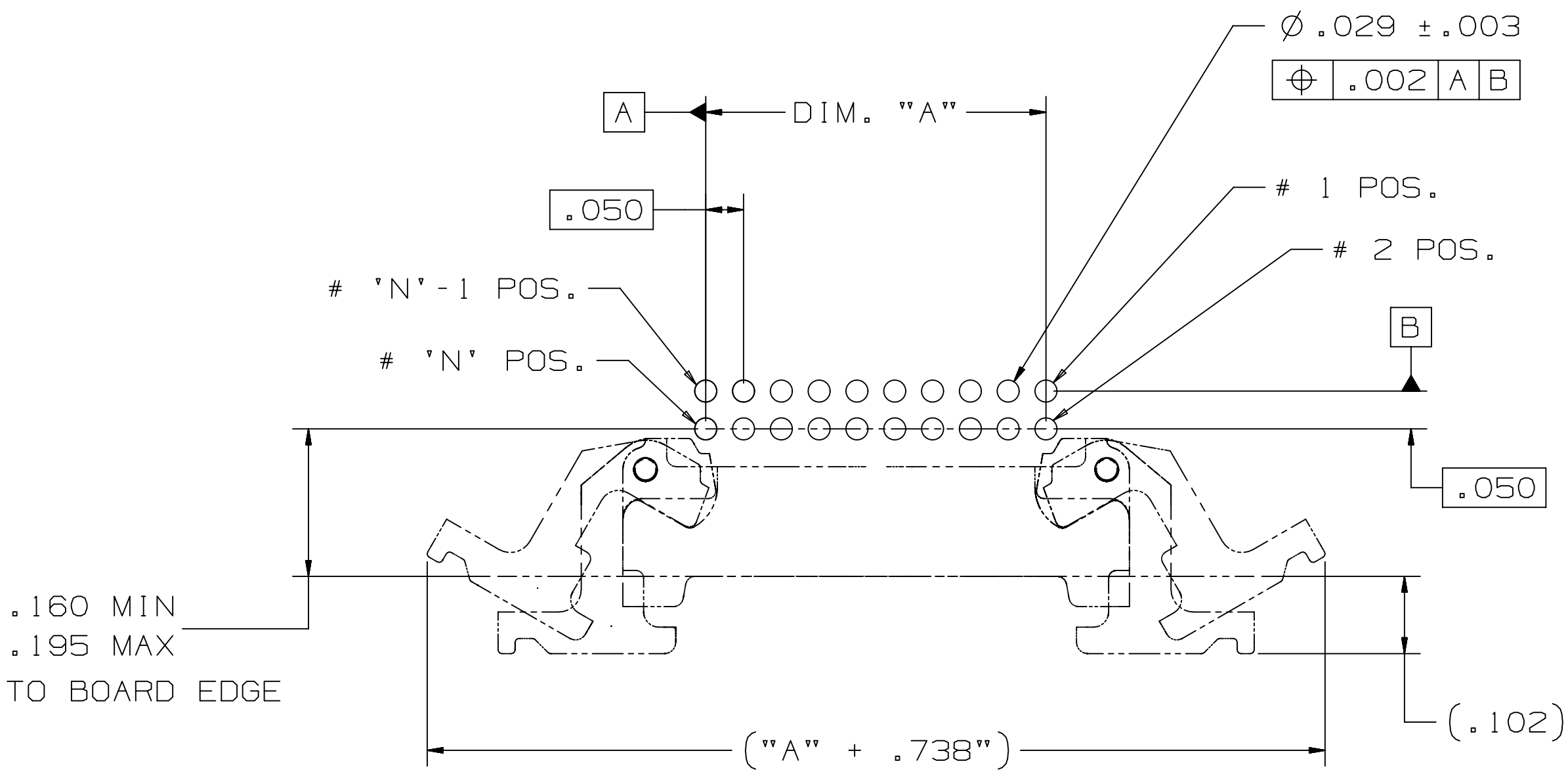
THRU BOARD, RIGHT ANGLE



WITHOUT LATCH/EHECT



WITH LATCH/EJECT



RECOMMENDED BOARD LAYOUT

TABLE 1: RIGHT ANGLE THRU

No. Positions	Dim "A"	Dim "B"	Dim "C"
4	.050	.215	.270
6	.100	.265	.320
8	.150	.315	.370
10	.200	.365	.420
12	.250	.415	.470
14	.300	.465	.520
16	.350	.515	.570
20	.450	.615	.670
26	.600	.765	.820
30	.700	.865	.920
40	.950	1.115	1.170
50	1.200	1.365	1.420

78-5100-2436-3
78-5100-2396-9

DESIGN REFERENCE

NEXT ASSEMBLY

DO NOT SCALE DRAWING

SCALE 6 1

TOLERANCES EXCEPT AS NOTED

INCHES .0 ± .1
.00 ± .02
.000 ± .010
.0000 ± .0050

MILLIMETERS 0 ± .1
.00 ± .000
.000 ± .000

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX. SURFACE ROUGHNESS

ALL SURFACES MARKED ONLY

REVISIONS

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD

3M

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TITLE

SHROUDED BMT HEADER, .05 X .05 PITCH, L/E, 452 SERIES

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

452

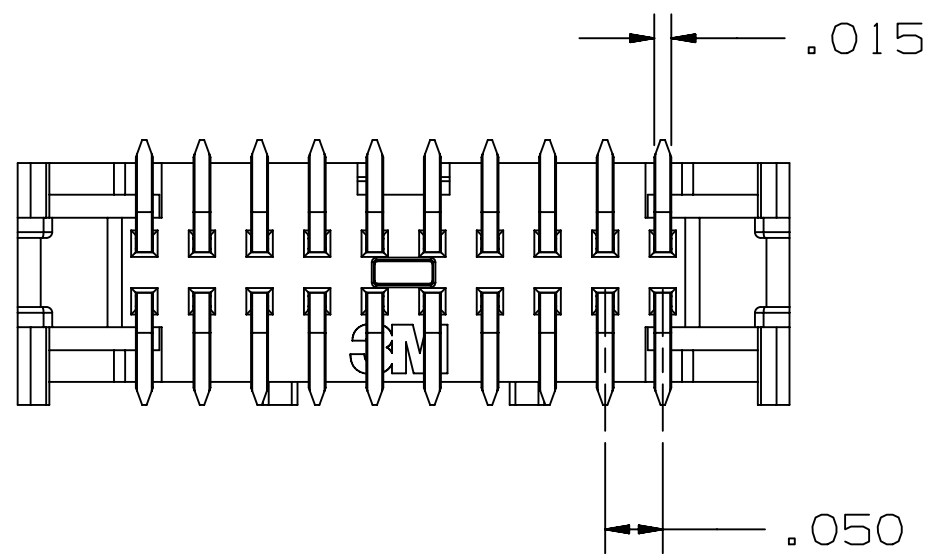
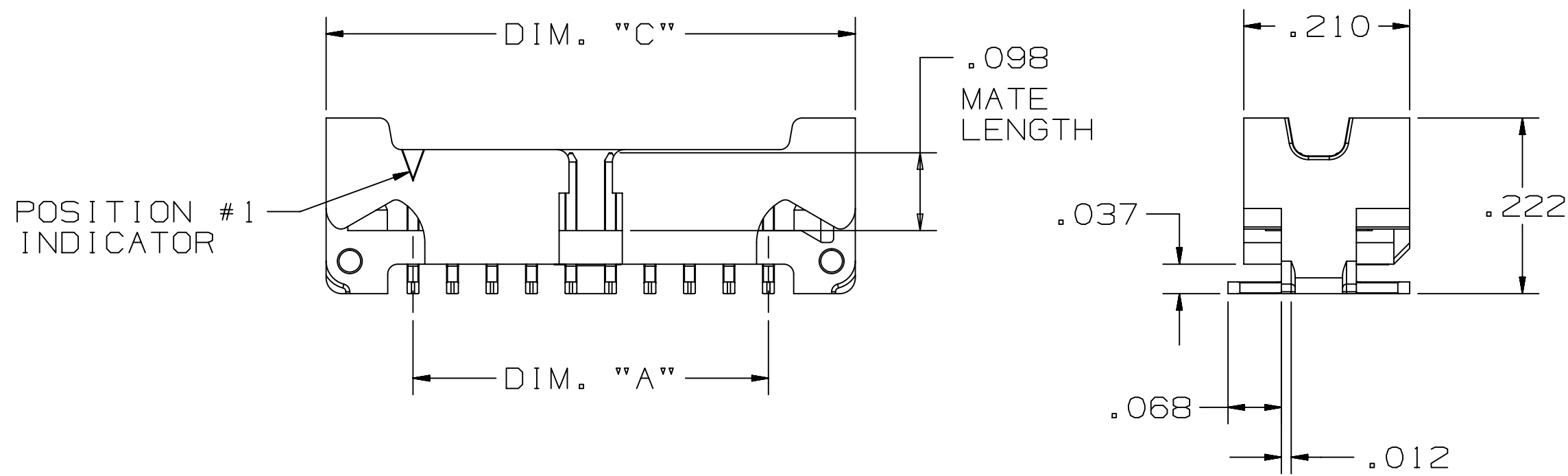
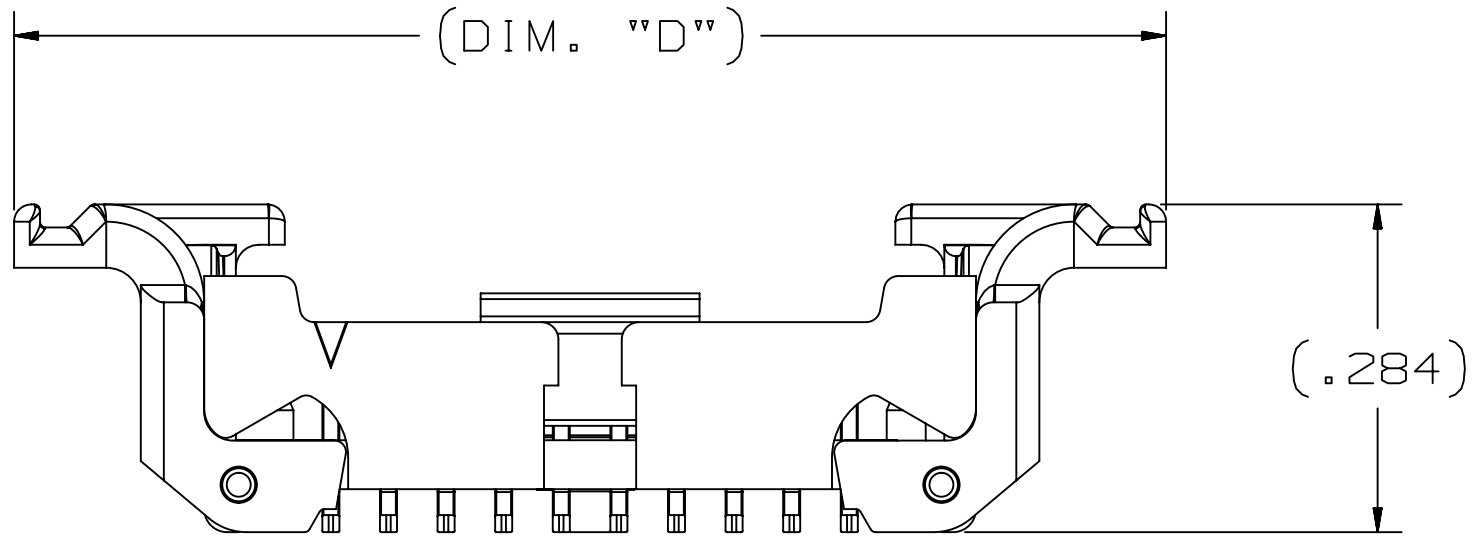
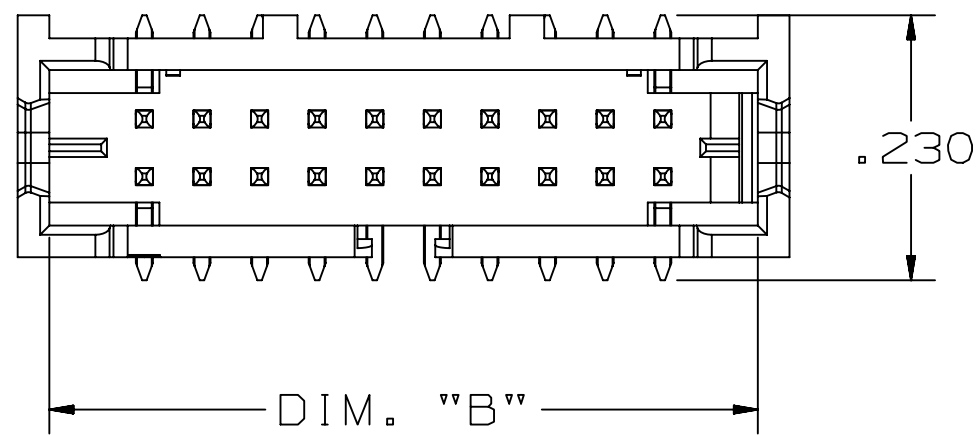
LISTS

YES

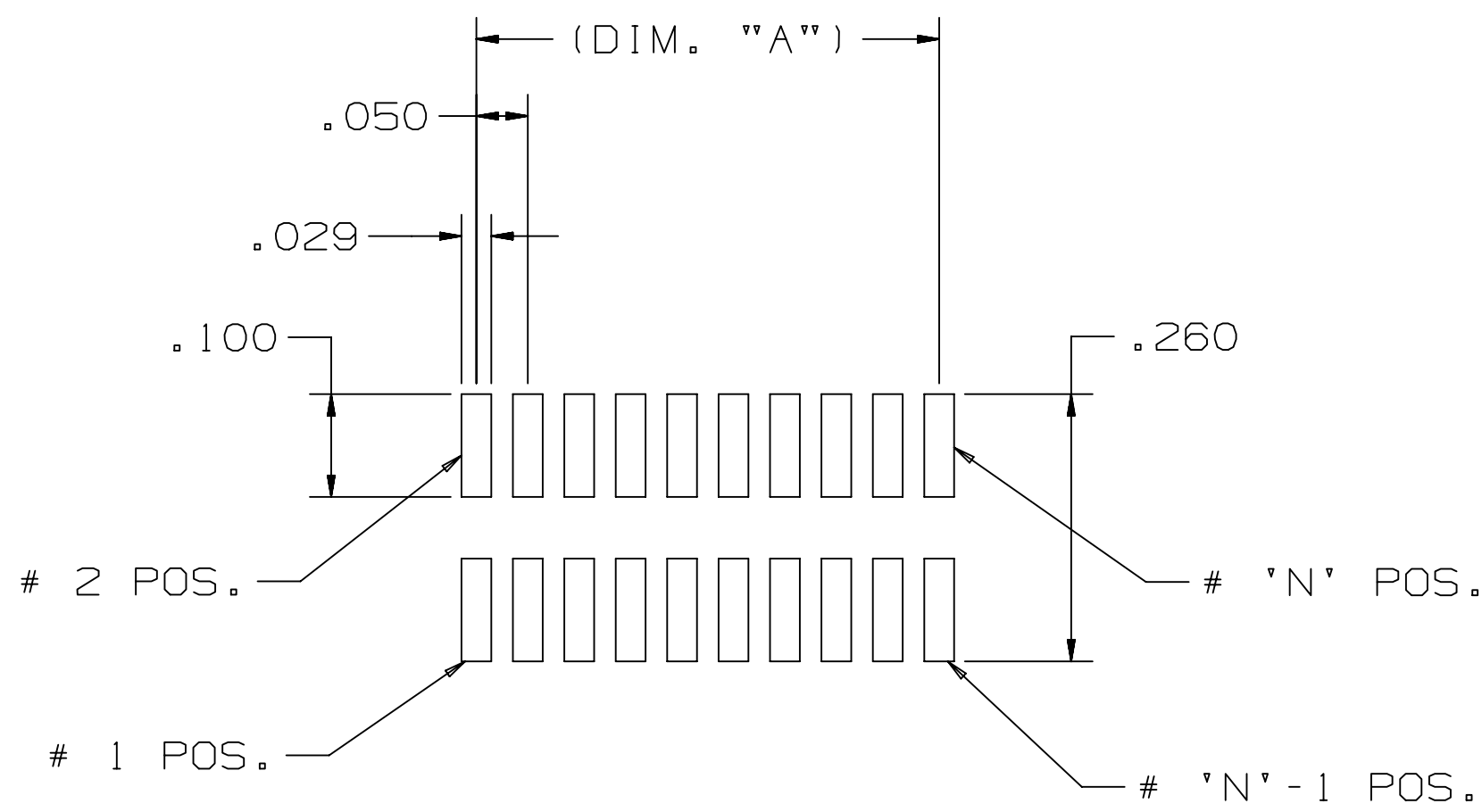
NO

SHT 2 OF 5

3M™ SHROUDED BOARDMOUNT HEADER, 1.27mm (0.050") PITCH
LATCH AND EJECT, 452 SERIES

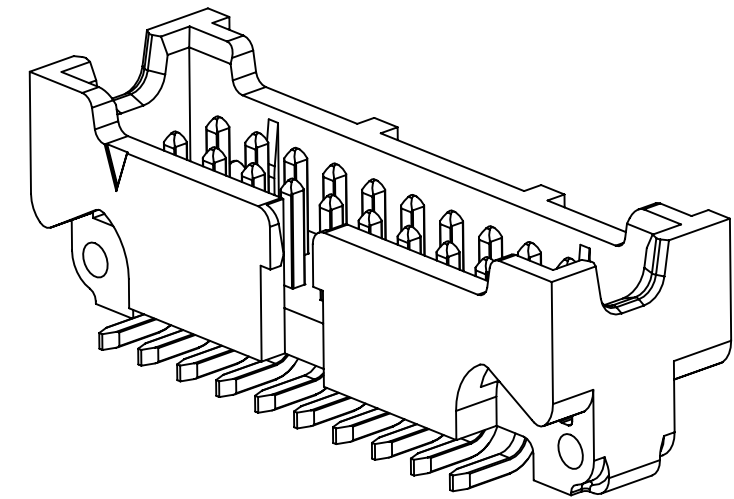


SURFACE MOUNT, VERTICAL

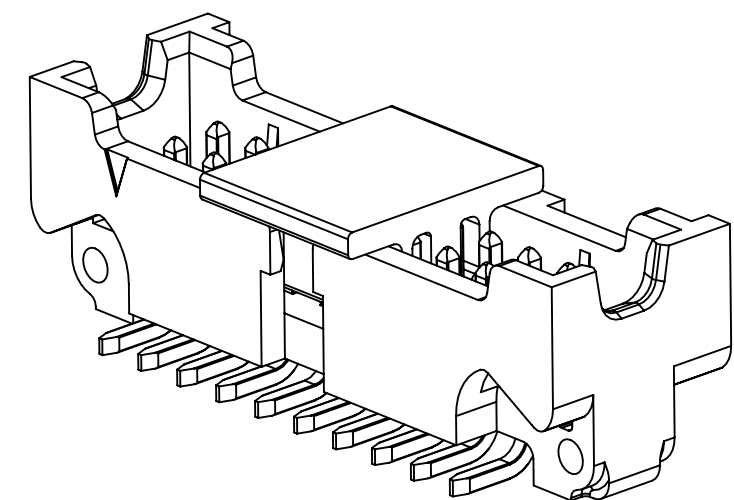


RECOMMENDED BOARD LAYOUT

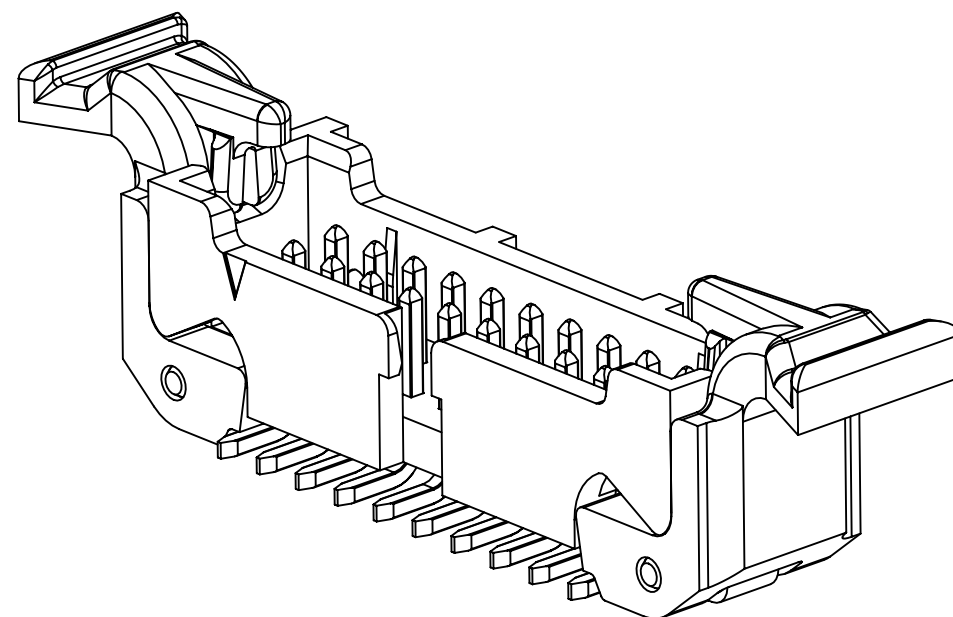
TABLE 1: VERTICAL SMT				
No. Positions	Dim "A"	Dim "B"	Dim "C"	Dim "D"
4	.050	.215	.270	.600
6	.100	.265	.320	.650
8	.150	.315	.370	.700
10	.200	.365	.420	.750
12	.250	.415	.470	.800
14	.300	.465	.520	.850
16	.350	.515	.570	.900
20	.450	.615	.670	1.000
26	.600	.765	.820	1.150
30	.700	.865	.920	1.250
40	.950	1.115	1.170	1.500
50	1.200	1.365	1.420	1.750



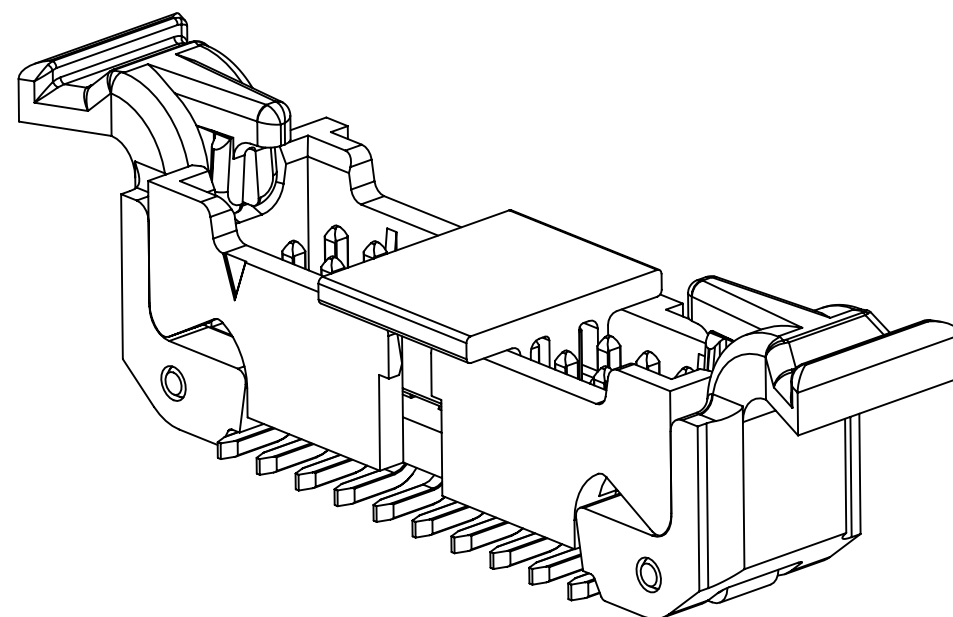
SHROUDED SMT HEADER



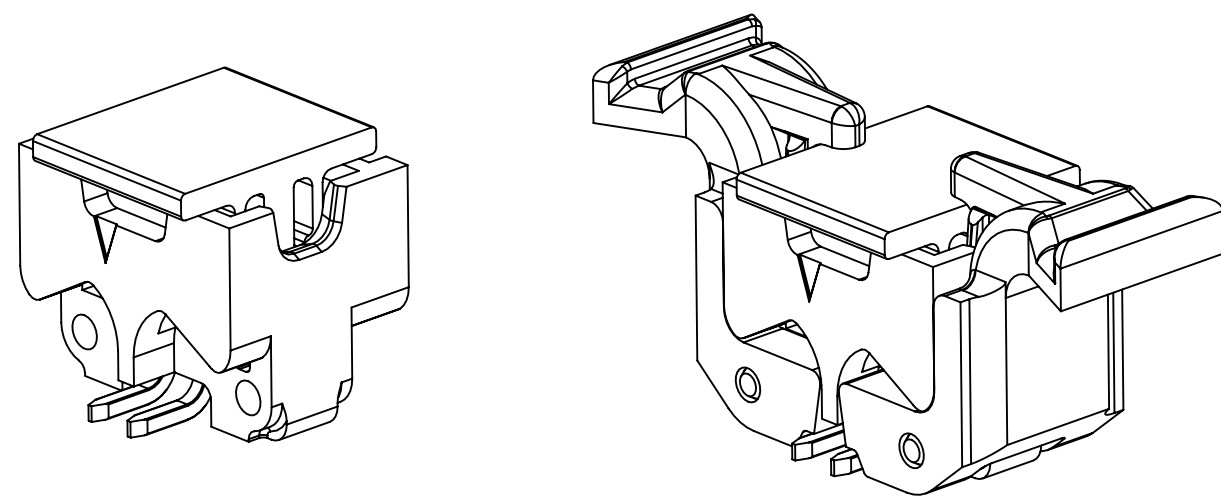
WITH VACUUM CAP



WITH LATCH/EJECT



WITH LATCH/EJECT
AND VACUUM CAP
VACUUM CAP IS FULLY SEATED
ON POSITIONS 8 AND HIGHER



VACUUM CAP SEATED ON TOP
EDGES OF END WALLS ON
POSITIONS 4 AND 6

78-5100-2436-3 78-5100-2396-9			PRODUCTION RELEASE			DRFT	CHKD	
DESIGN REFERENCE		NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ADDRESS CODES			DRFT NOV 29,2012	ARM NOV 29,2012	MFG PRC NOV 29,2012		NOV 29,2012	
			CHKD SAN		DATE NOV 29,2012		APPR SAN	NOV 29,2012
DIVISION		DIVISION CODE ENSD		© 3M COPYRIGHT 2022				
DO NOT SCALE DRAWING		SCALE 6 1		TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
THIRD ANGLE PROJECTION		INCHES .0000 + .0000 - .0000 + .0100 - .0050						
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 + .00 - .00 + .00 - .00						
MAX SURFACE ROUGHNESS		ALL SURFACES		TITLE SHROUDED BMT HEADER, .05 X .05 PITCH, L/E, 452 SERIES				
☒ MARKED ONLY		ANGLES		CAGE NUMBER D		SIZE DRAWING NO. 78-5100-2437-1		REV.
				MODEL 452		DET. LIST		OYES NO
						SHT 3 OF		

3M™ SHROUDED BOARDMOUNT HEADER, 1.27mm (0.050") PITCH
LATCH AND EJECT, 452 SERIES

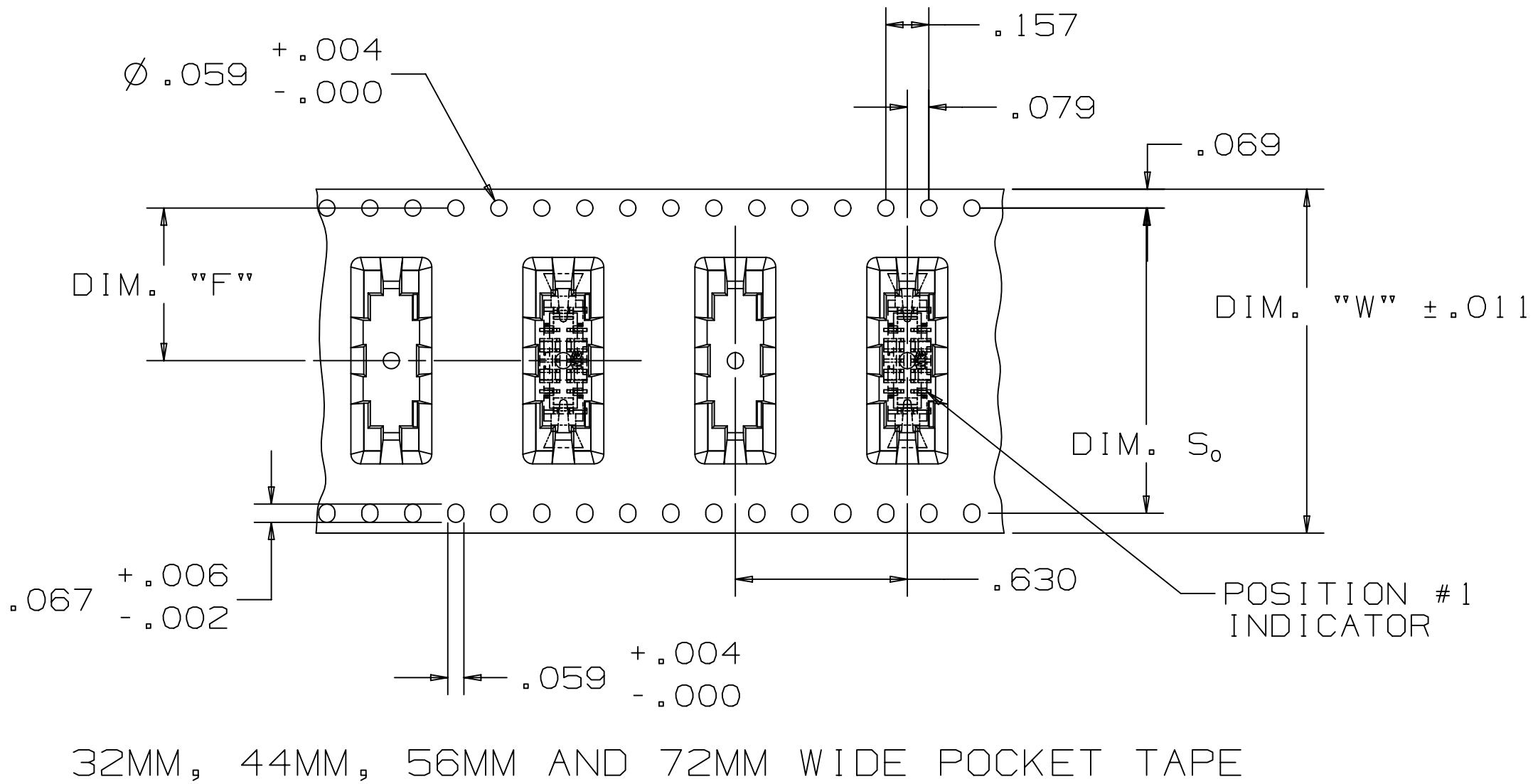
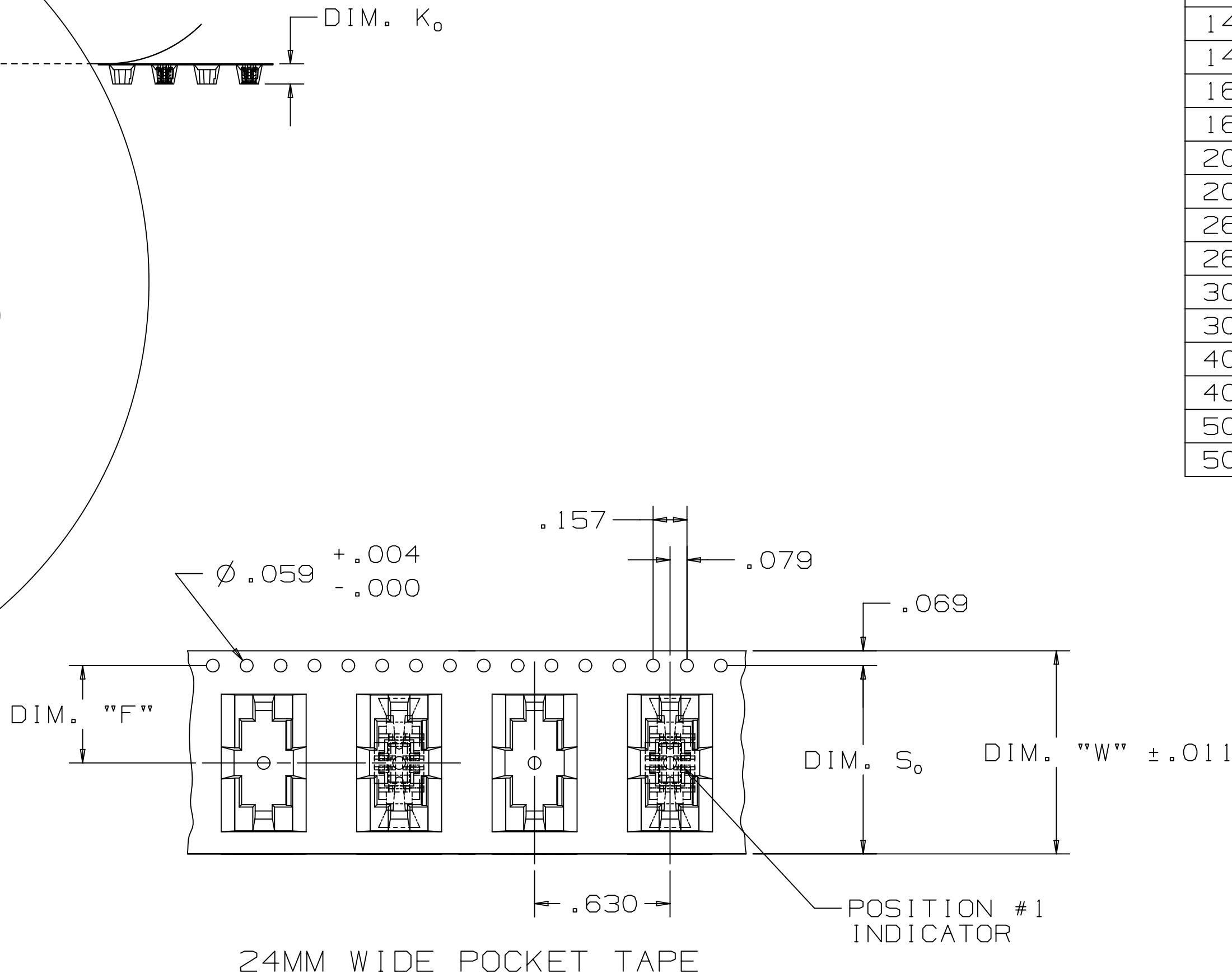
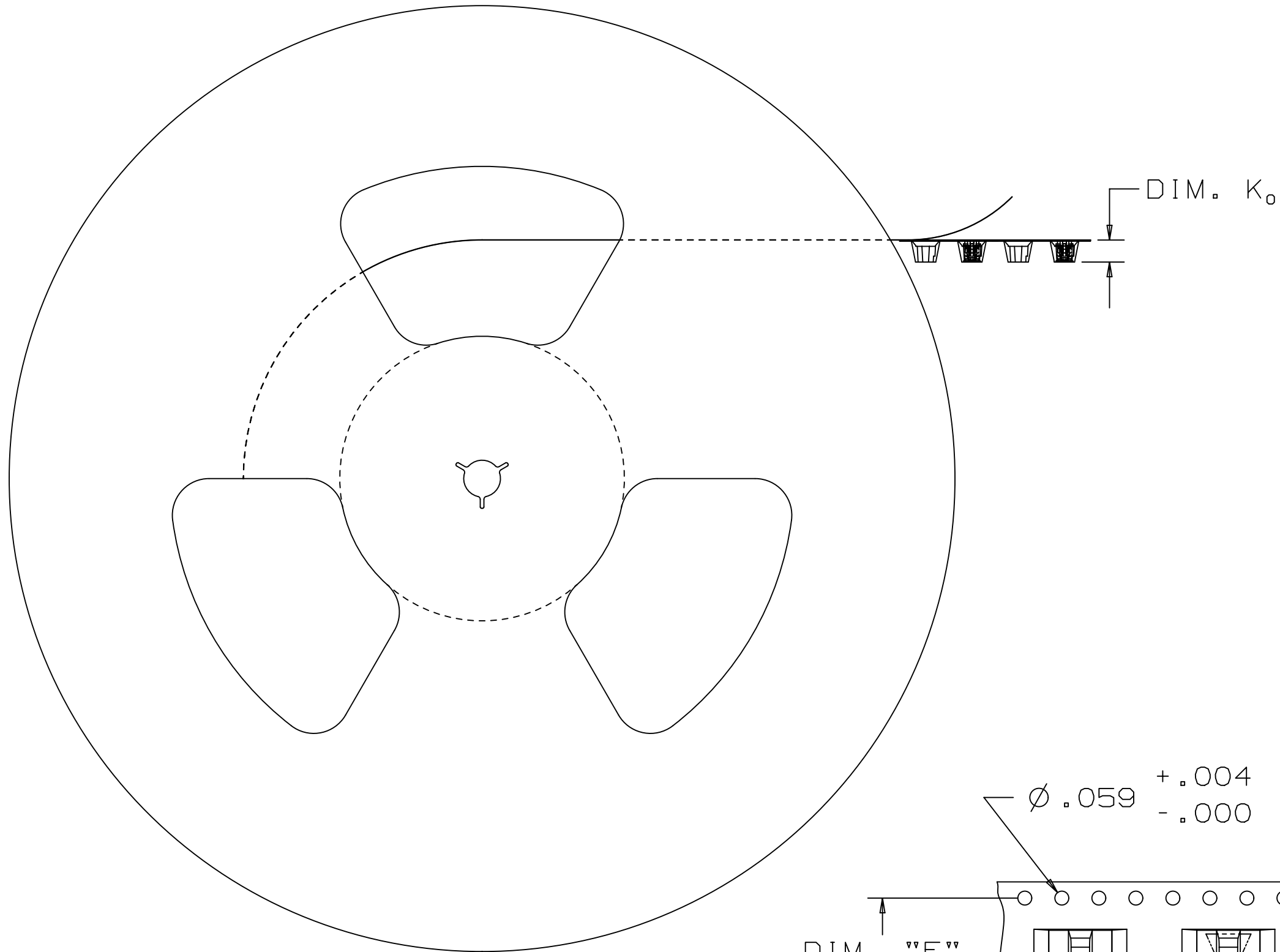
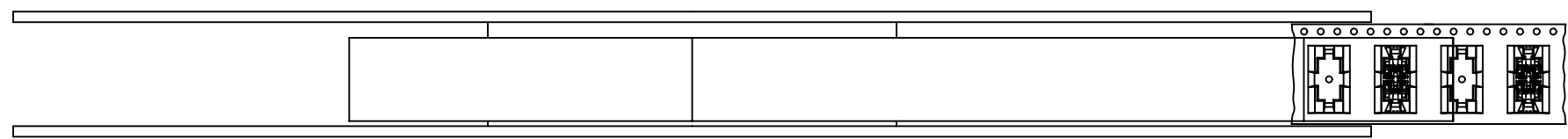


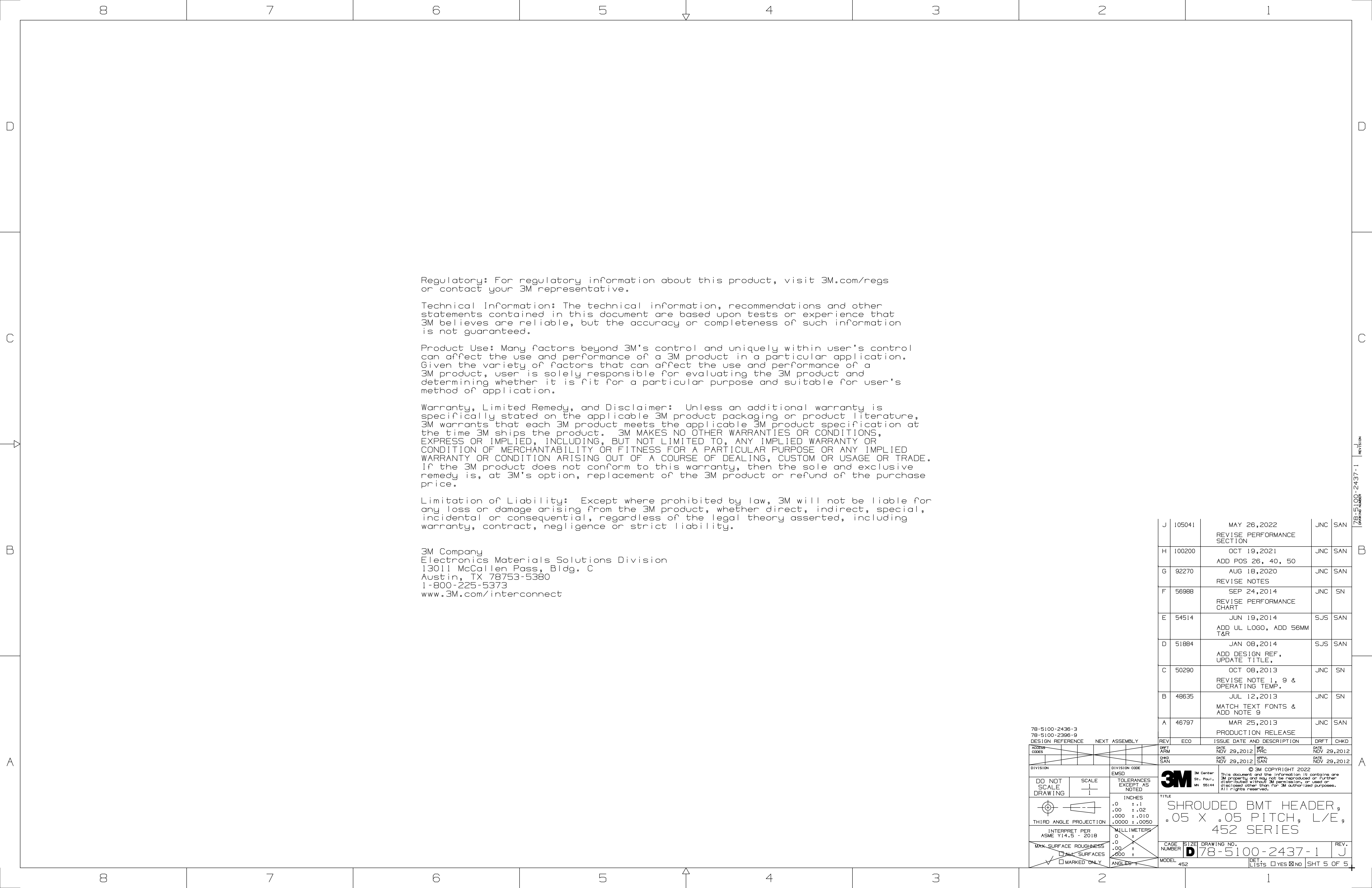
TABLE 2
TAPE AND REEL PACKAGING FOR SURFACEMOUNT HEADERS

POS	LATCHES	DIM. "F"	DIM. K ₀	DIM. S ₀	DIM. "W"
4	NO	.453	.263	.876	.945 [24MM]
4	YES	.453	.300	.876	1.260 [32MM]
6	NO	.453	.238	.876	.945 [24MM]
6	YES	.559	.300	1.118	1.260 [32MM]
8	NO	.453	.238	.876	.945 [24MM]
8	YES	.559	.300	1.118	1.732 [44MM]
10	NO	.453	.238	.876	.945 [24MM]
10	YES	.559	.300	1.118	1.732 [44MM]
12	NO	.453	.238	.876	.945 [24MM]
12	YES	.559	.300	1.118	1.732 [44MM]
14	NO	.453	.238	.876	.945 [24MM]
14	YES	.795	.300	1.591	1.732 [44MM]
16	NO	.453	.238	.876	.945 [24MM]
16	YES	.795	.300	1.591	1.732 [44MM]
20	NO	.559	.238	1.118	1.260 [32MM]
20	YES	.795	.300	1.591	1.732 [44MM]
26	NO	.795	.254	1.594	1.732 [44MM]
26	YES	1.031	.288	2.067	2.205 [56MM]
30	NO	.795	.238	1.591	1.732 [44MM]
30	YES	.795	.300	1.591	2.205 [56MM]
40	NO	1.031	.254	2.067	2.205 [56MM]
40	YES	1.031	.288	2.067	2.205 [56MM]
50	NO	1.031	.254	2.067	2.205 [56MM]
50	YES	1.346	.288	2.693	2.835 [72MM]

NOTE:
LATCH AND EJECT HEADERS ARE PACKAGED WITH THE
LATCHES IN AN OPEN POSITION.

78-5100-2436-3 78-5100-2396-9		NEXT ASSEMBLY	
DESIGN REFERENCE		NEXT ASSEMBLY	
DATE	DATE	DATE	DATE
NOV 29,2012	NOV 29,2012	NOV 29,2012	NOV 29,2012
DRFT	ARM	PRC	NOV 29,2012
CHKD	SAN	NOV 29,2012	NOV 29,2012
DIVISION		DIVISION CODE	
		EMSD	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INCHES	
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS	
MAX. SURFACE ROUGHNESS		ANGLES	
ALL SURFACES MARKED ONLY			

J	105041	MAY 26,2022	JNC	SAN
H	100200	OCT 19,2021	JNC	SAN
G	92270	AUG 18,2020	JNC	SAN
F	56988	SEP 24,2014	JNC	SN
E	54514	JUN 19,2014	SJS	SAN
D	51884	JAN 08,2014	SJS	SAN
C	50290	OCT 08,2013	JNC	SN
B	48635	JUL 12,2013	JNC	SN
A	46797	MAR 25,2013	JNC	SAN
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
NOV 29,2012	NOV 29,2012	NOV 29,2012	NOV 29,2012	NOV 29,2012
DIVISION		DIVISION CODE		
		EMSD		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INCHES		
INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		
MAX. SURFACE ROUGHNESS		ANGLES		
ALL SURFACES MARKED ONLY				
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TITLE				
SHROUDED BMT HEADER, .05 X .05 PITCH, L/E, 452 SERIES				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D	78-5100-2437-1	J		
MODEL	452	LISTS	YES	NO
SHT 4 OF 5				



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TITLE				
SHROUDED BMT HEADER,				
.05 X .05 PITCH, L/E,				
452 SERIES				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-2437-1	J	
MODEL	452	DET	LISTS	YES ☐ NO ☒
SHT 5 OF 5				