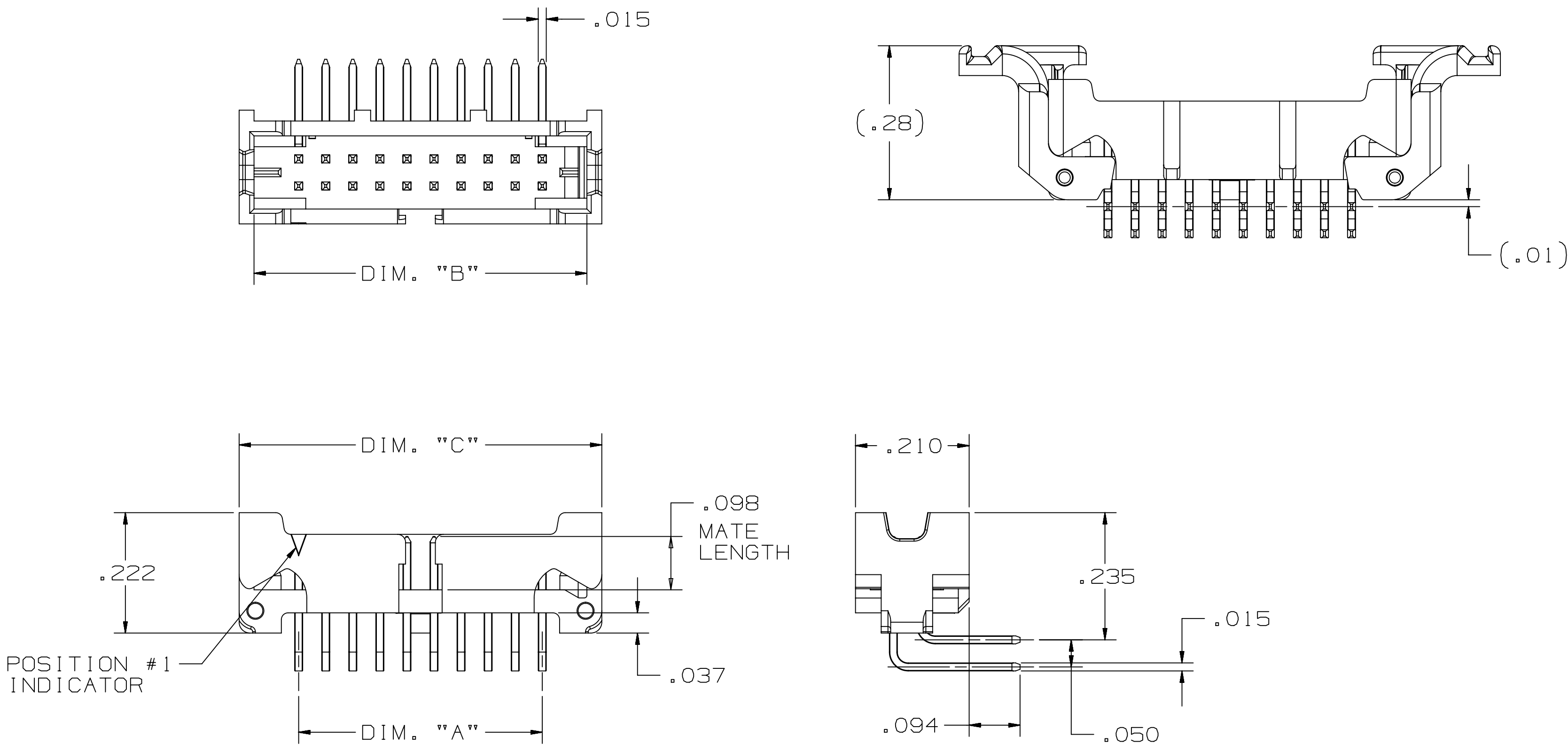
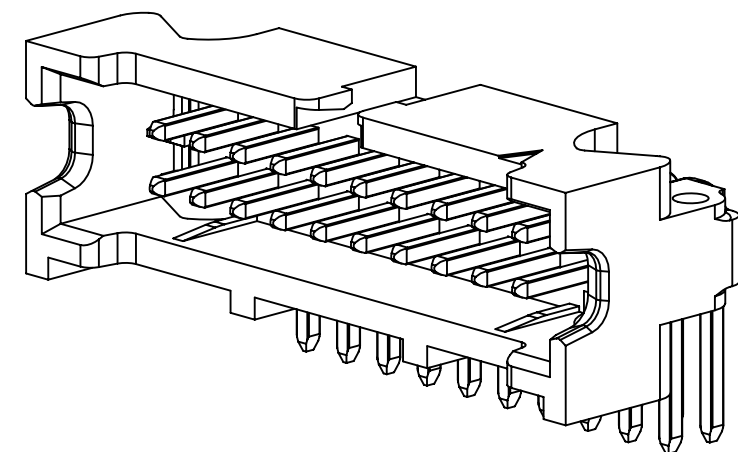


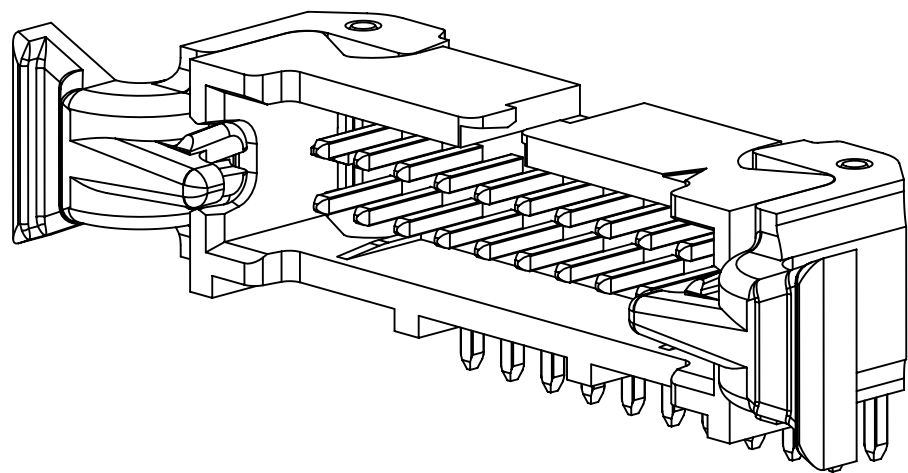
3M™ SHROUDED BOARDMOUNT HEADER, 1.27mm (0.050") PITCH
LATCH AND EJECT, 452 SERIES



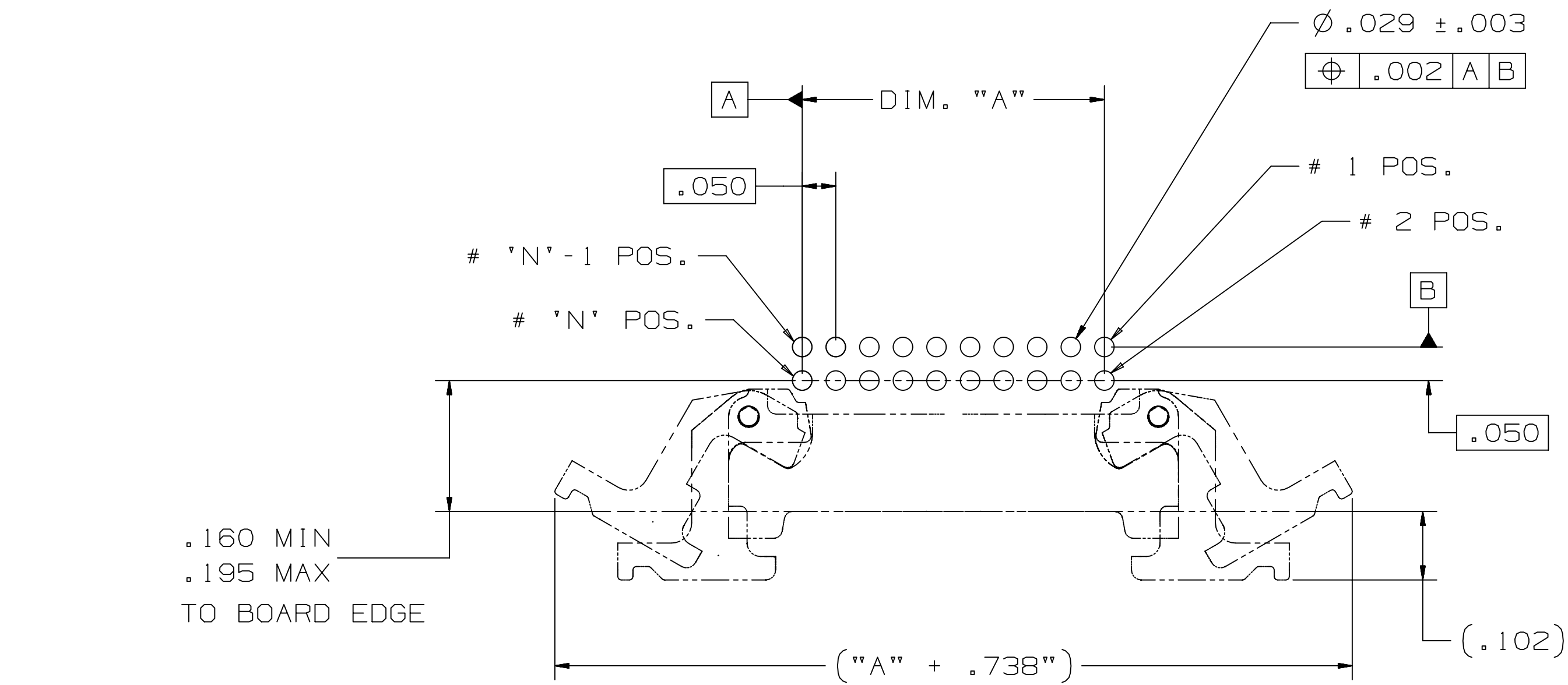
THRU BOARD, RIGHT ANGLE



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

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX. SURFACE ROUGHNESS .000 ± .000

MARKED ONLY

DIVISION

EMSD

REVISIONS

REV ECO

DATE NOV 29, 2012

DATE NOV 29, 2012

DATE NOV 29, 2012

DATE NOV 29, 2012

3M

3M Center St. Paul, MN 55144

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TITLE

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

CAGE NUMBER

SIZE

DRAWING NO.

REV.

MODEL

452

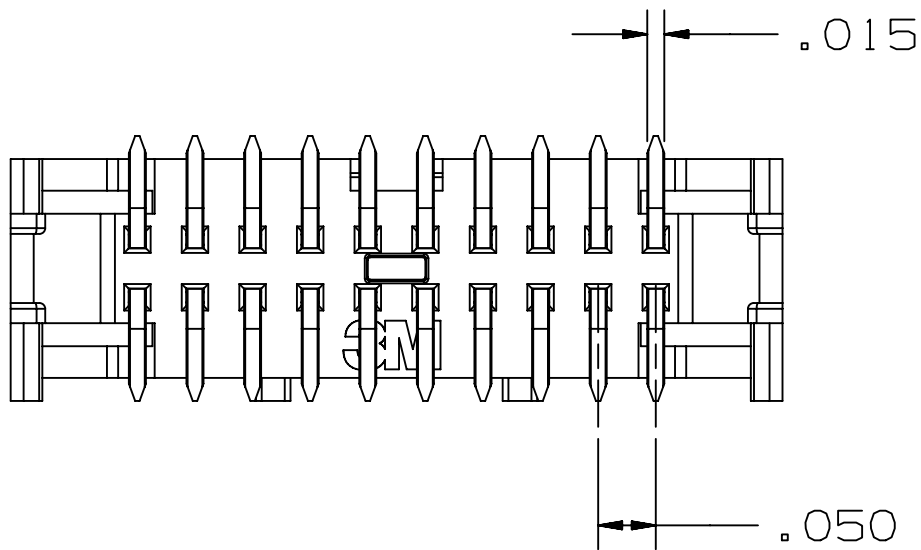
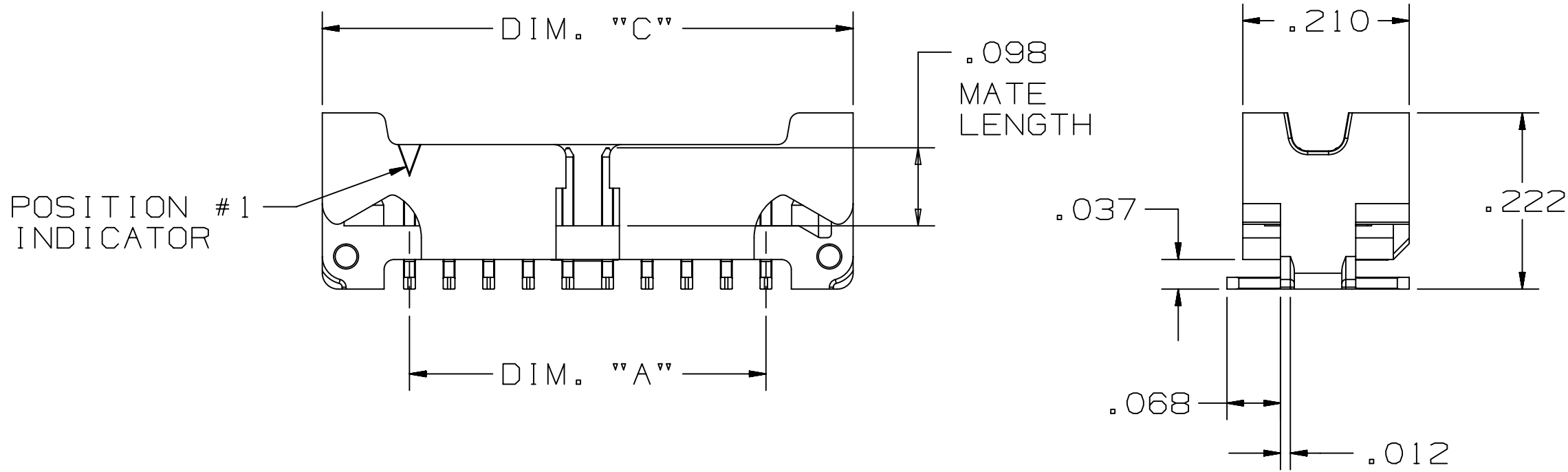
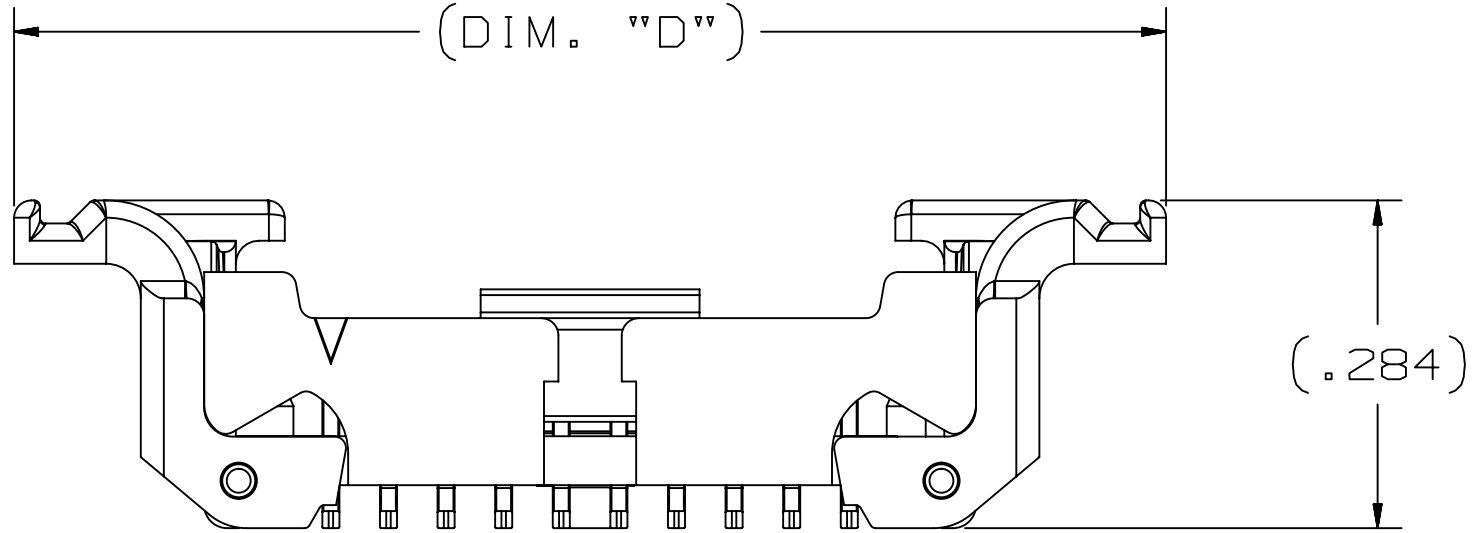
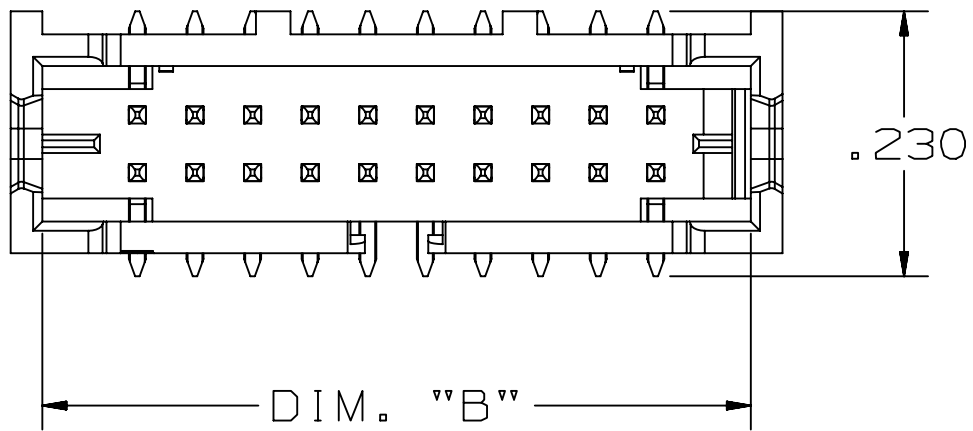
LISTS

YES

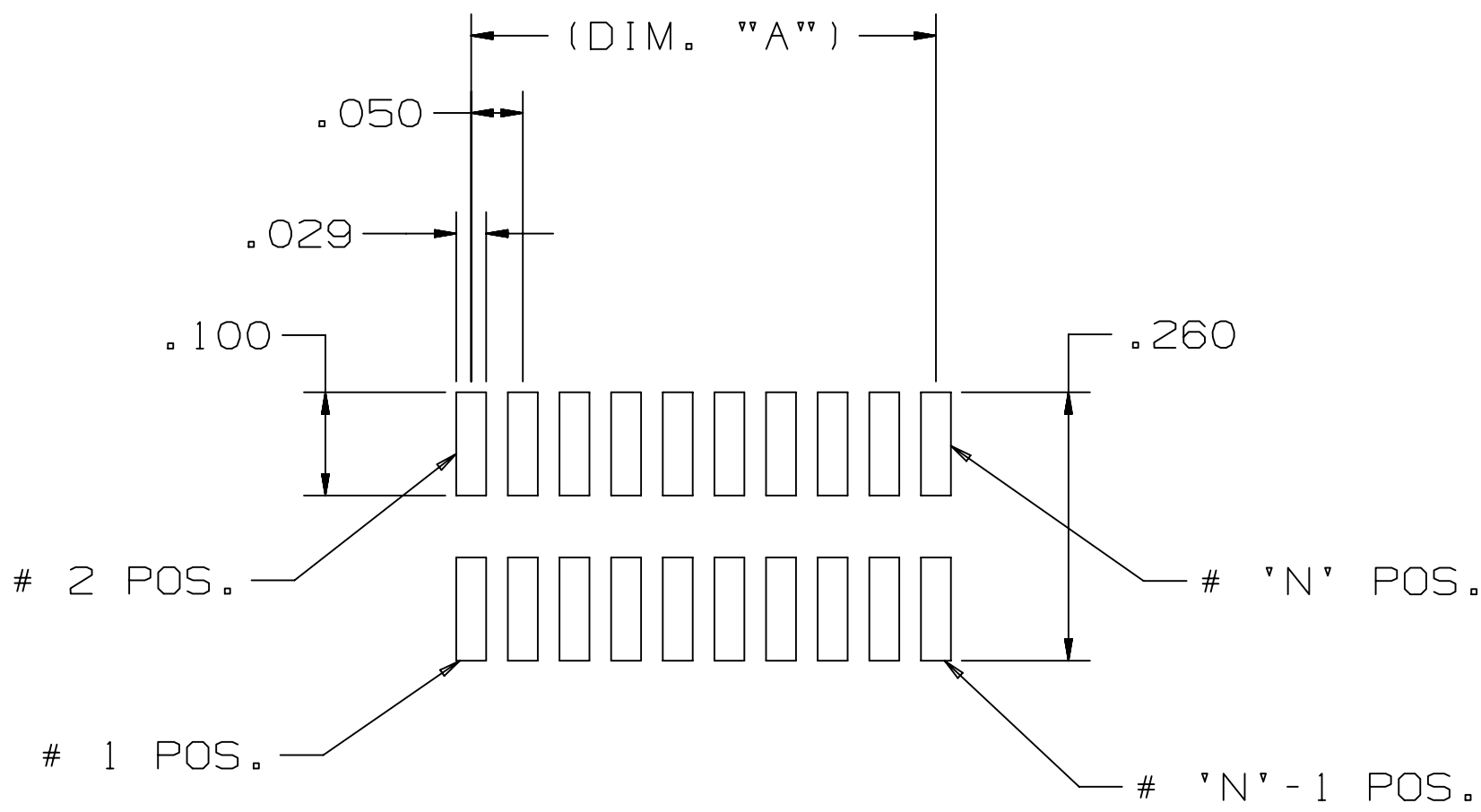
NO

SHT 2 OF 5

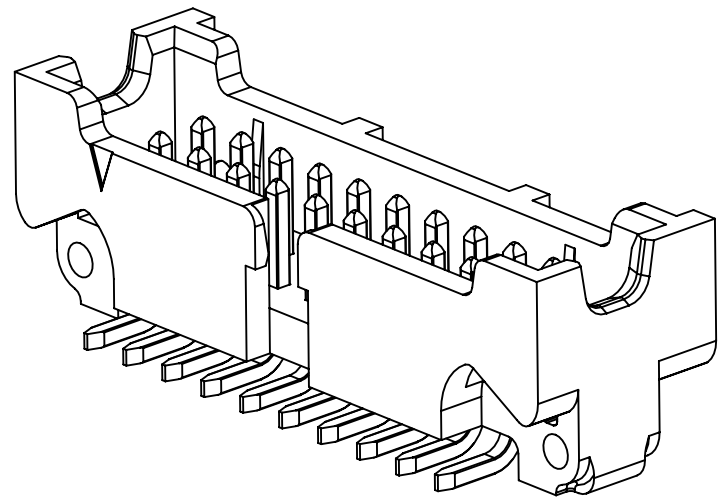
3M™ SHROUDED BOARDMOUNT HEADER, 1.27mm (0.050") PITCH
LATCH AND EJECT, 452 SERIES



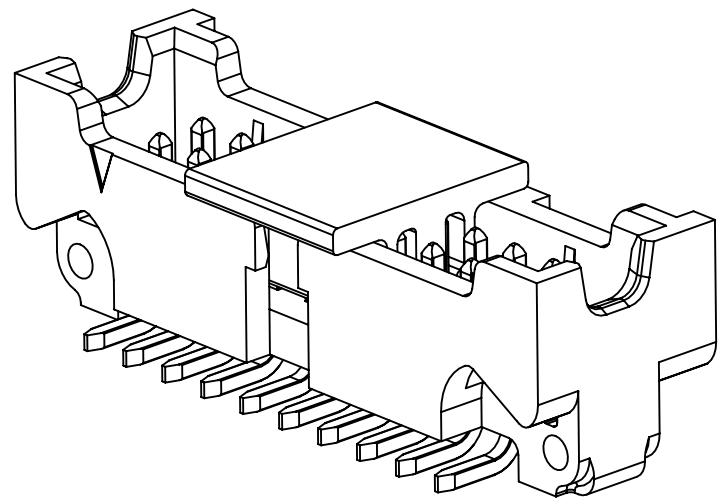
SURFACE MOUNT, VERTICAL



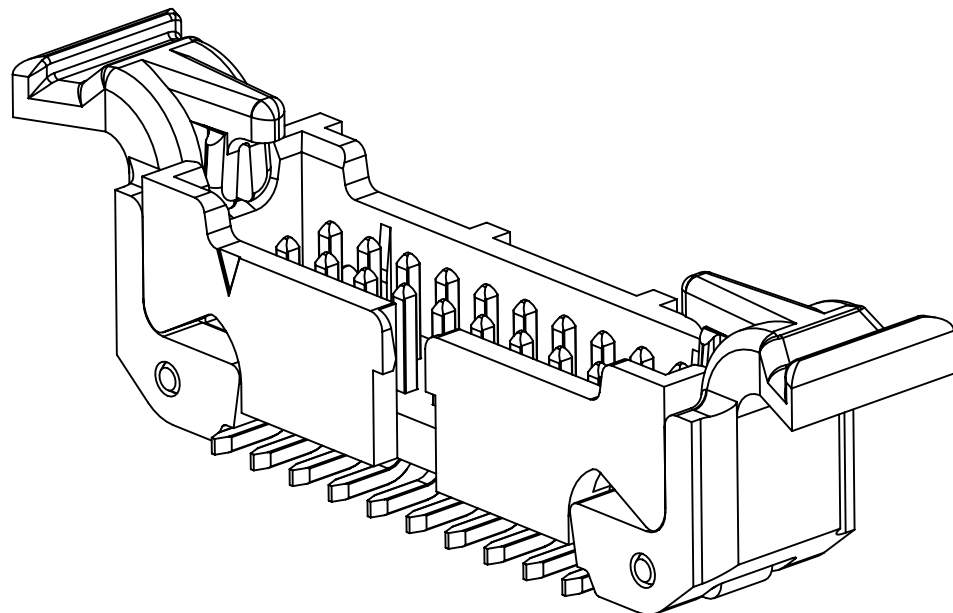
RECOMMENDED BOARD LAYOUT



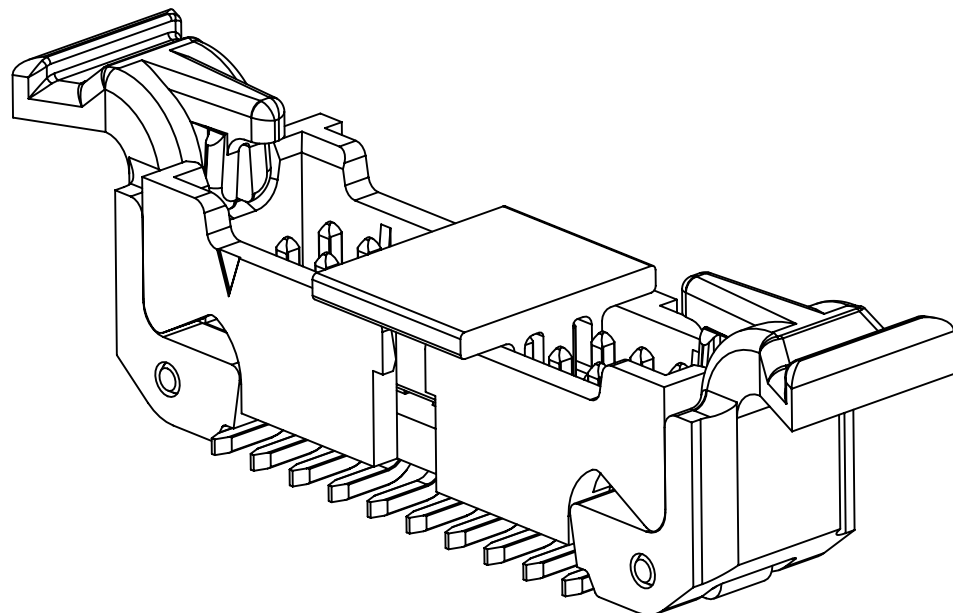
SHROUDED SMT HEADER



WITH VACUUM CAP



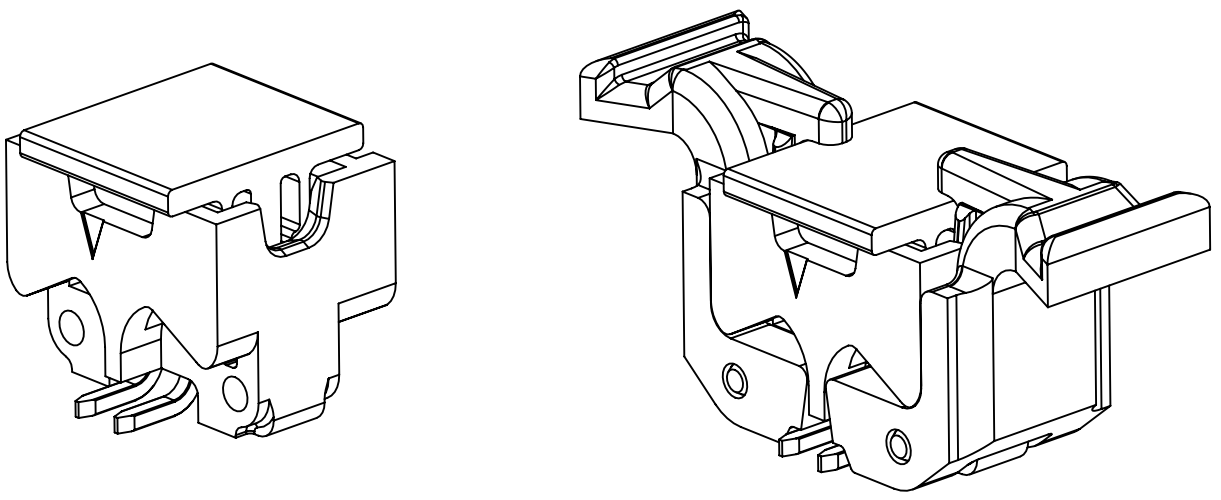
WITH LATCH/EJECT



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

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



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

78-5100-2436-3 78-5100-2396-9		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DESIGN REFERENCE		NEXT ASSEMBLY		DATE	DATE	DATE		DATE	DATE
XREF CODES		XREF CODES		ARM	PRC	NOV 29,2012		NOV 29,2012	NOV 29,2012
DIVISION		DIVISION CODE		CHKD	APPR	NOV 29,2012		NOV 29,2012	NOV 29,2012
DO NOT SCALE DRAWING		SCALE 6/1		TOLERANCES EXCEPT AS NOTED		INCHES .0 ± .1 .00 ± .02 .000 ± .010 .0000 ± .0050			
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS 0 ± .0 .00 ± .000 ± .000		ANGLES ±			
MAX. SURFACE ROUGHNESS		ALL SURFACES		CAGE NUMBER		SIZE		DRAWING NO.	
MARKED ONLY		MARKED ONLY		D78-5100-2437-1		J		REV.	
				MODEL		452		SHT 3 OF 5	

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

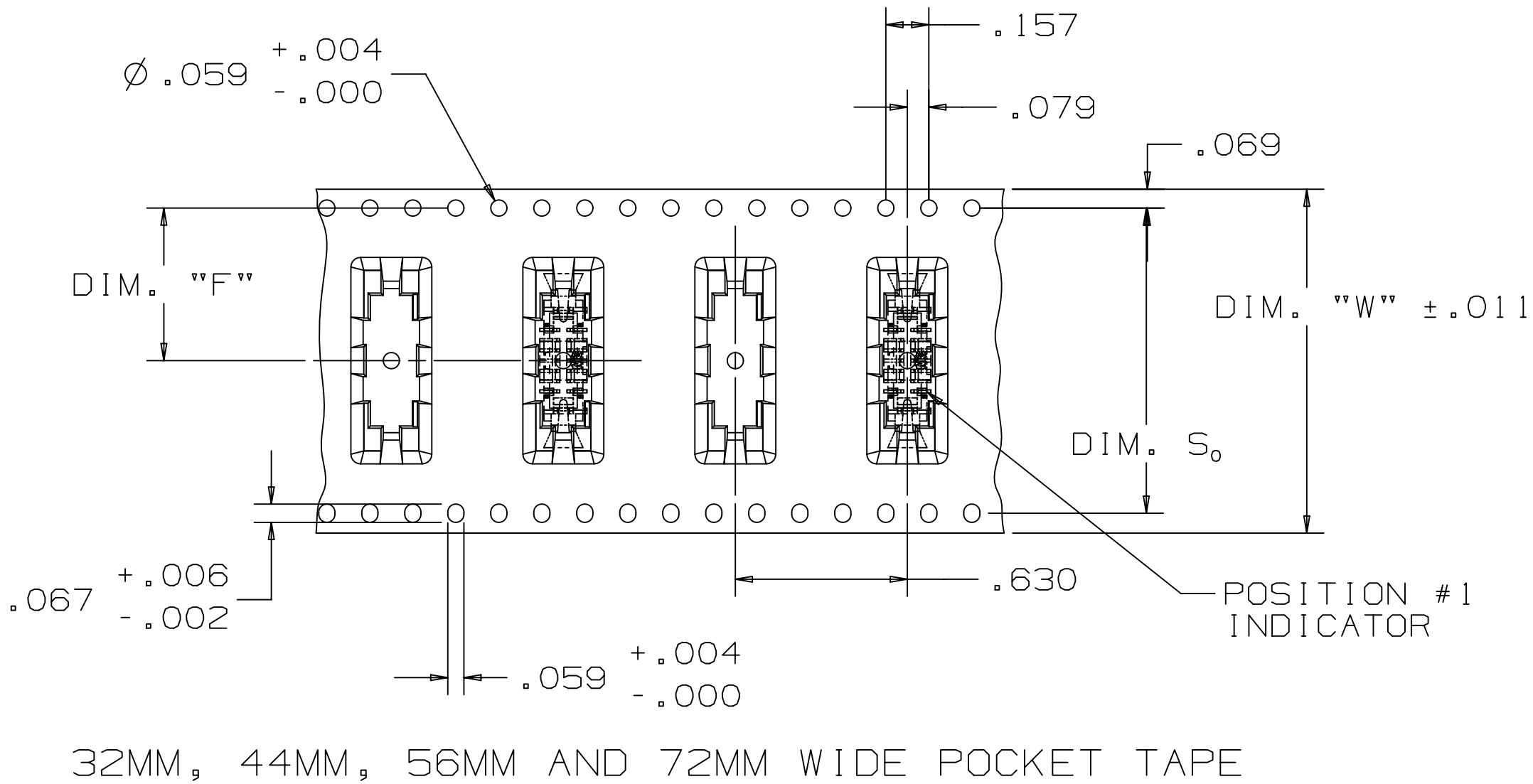
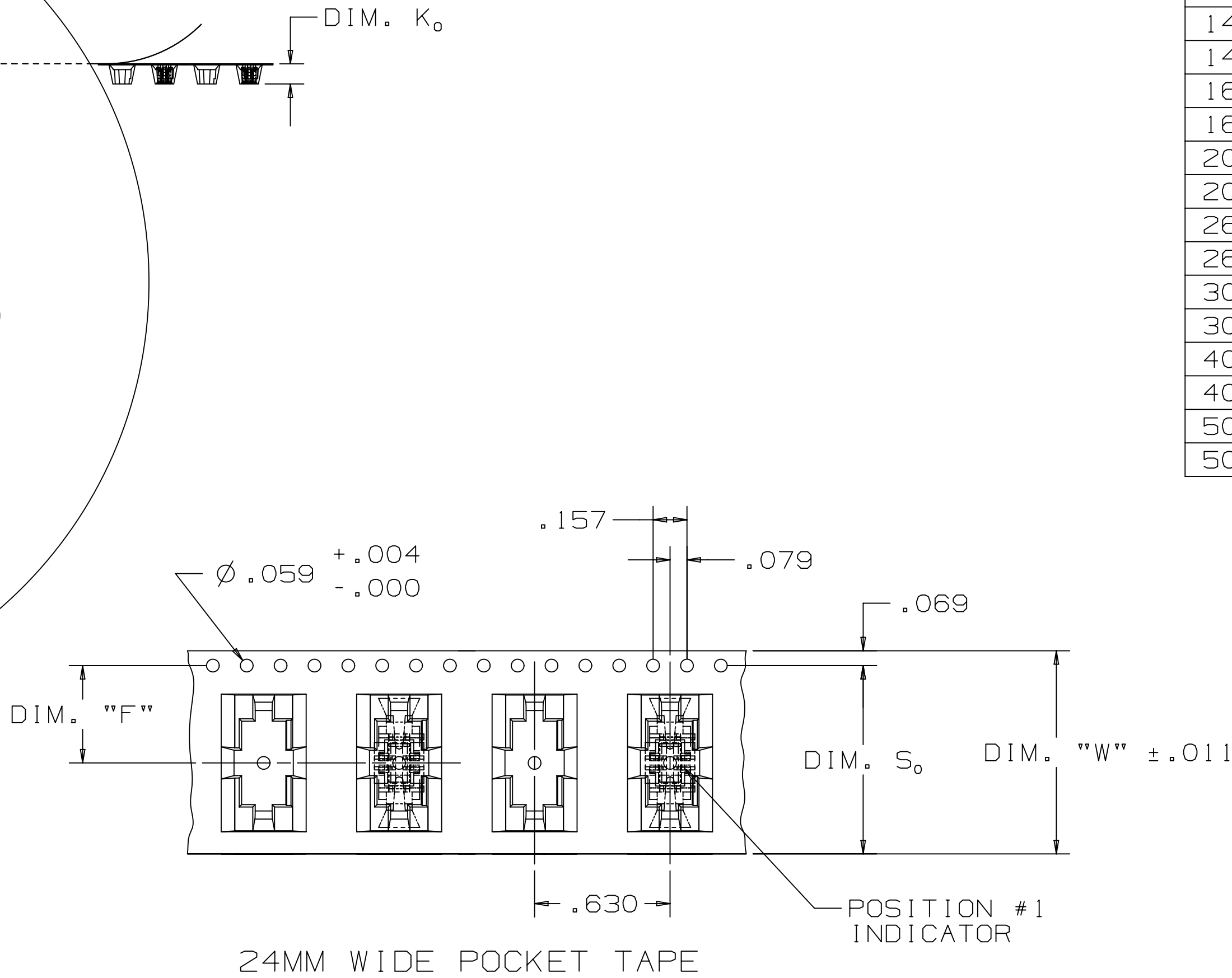
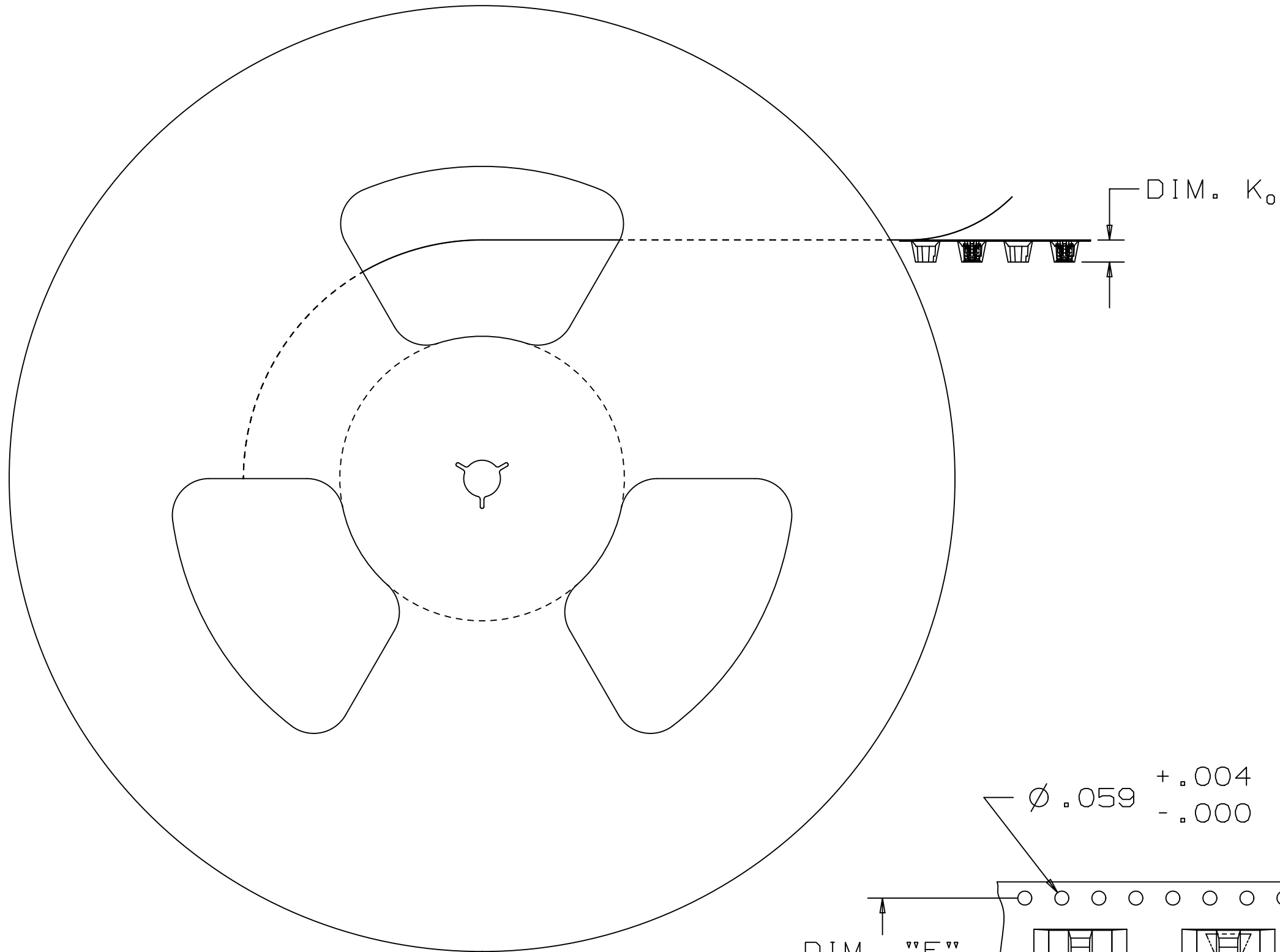
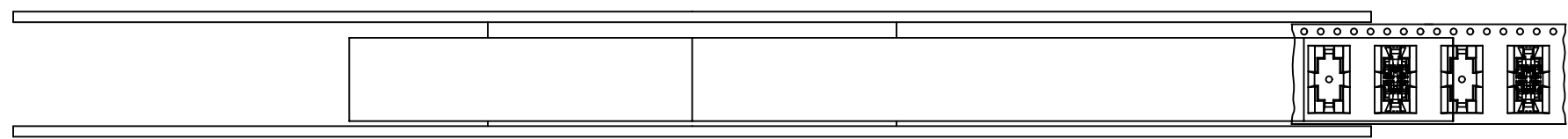


TABLE 2
TAPE AND REEL PACKAGING FOR SURFACEMOUNT HEADERS

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.

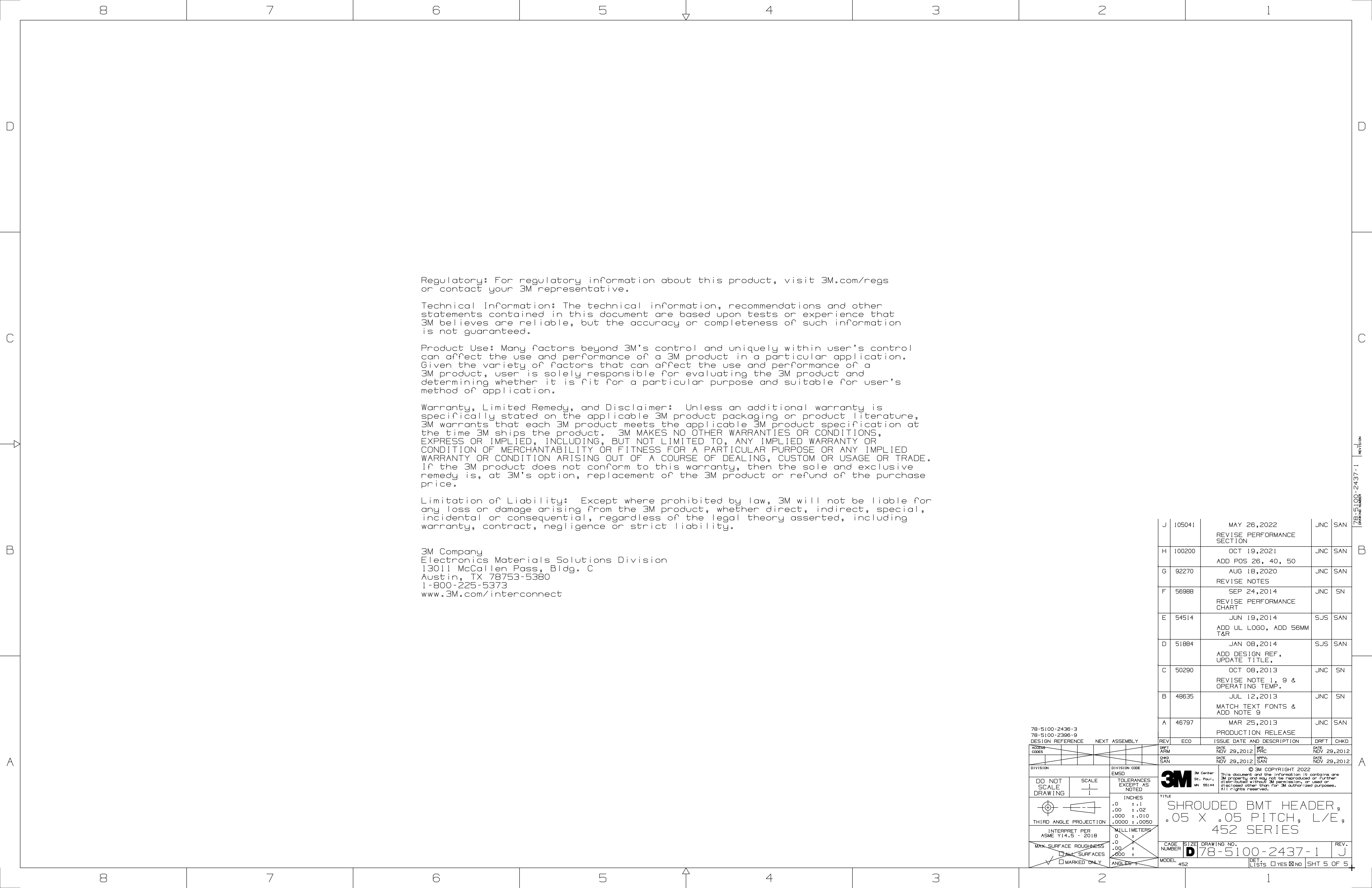
78-5100-2436-3 78-5100-2396-9		NEXT ASSEMBLY	
DESIGN REFERENCE		NEXT ASSEMBLY	
DESIGN CODES	DESIGN CODES	DESIGN CODES	DESIGN CODES
DIVISION		DIVISION CODE	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		MILLIMETERS	
INTERPRET PER ASME Y14.5 - 2018		ANGLES	
MAX. SURFACE ROUGHNESS		CAGE NUMBER	
ALL SURFACES MARKED ONLY		DRAWING NO.	
		REV.	

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
ARM	NOV 29, 2012	PRC	NOV 29, 2012	
CHKD	NOV 29, 2012	APPL	NOV 29, 2012	
DIVISION		3M Center St. Paul, MN 55144		
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		MILLIMETERS		
INTERPRET PER ASME Y14.5 - 2018		ANGLES		
MAX. SURFACE ROUGHNESS		CAGE NUMBER		
ALL SURFACES MARKED ONLY		DRAWING NO.		
		REV.		

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

CAGE NUMBER
78-5100-2437-1
REV. J

MODEL 452
LISTS YES NO SHT 4 OF 5



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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
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J	105041	MAY 26,2022	JNC	SAN
H	100200	OCT 19,2021	JNC	SAN
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REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRFT	ARM	DATE NOV 29,2012	PRC	DATE NOV 29,2012
CHKD	SAN	DATE NOV 29,2012	APPR	DATE NOV 29,2012
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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