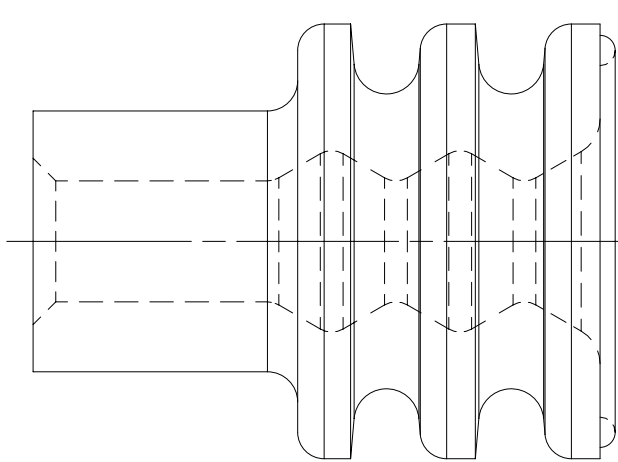
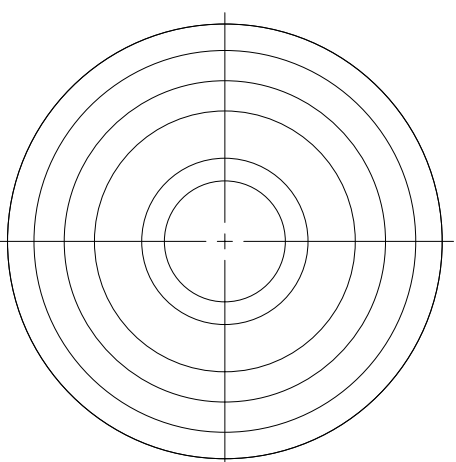
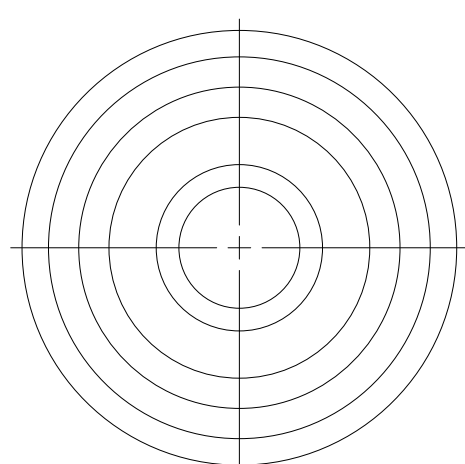
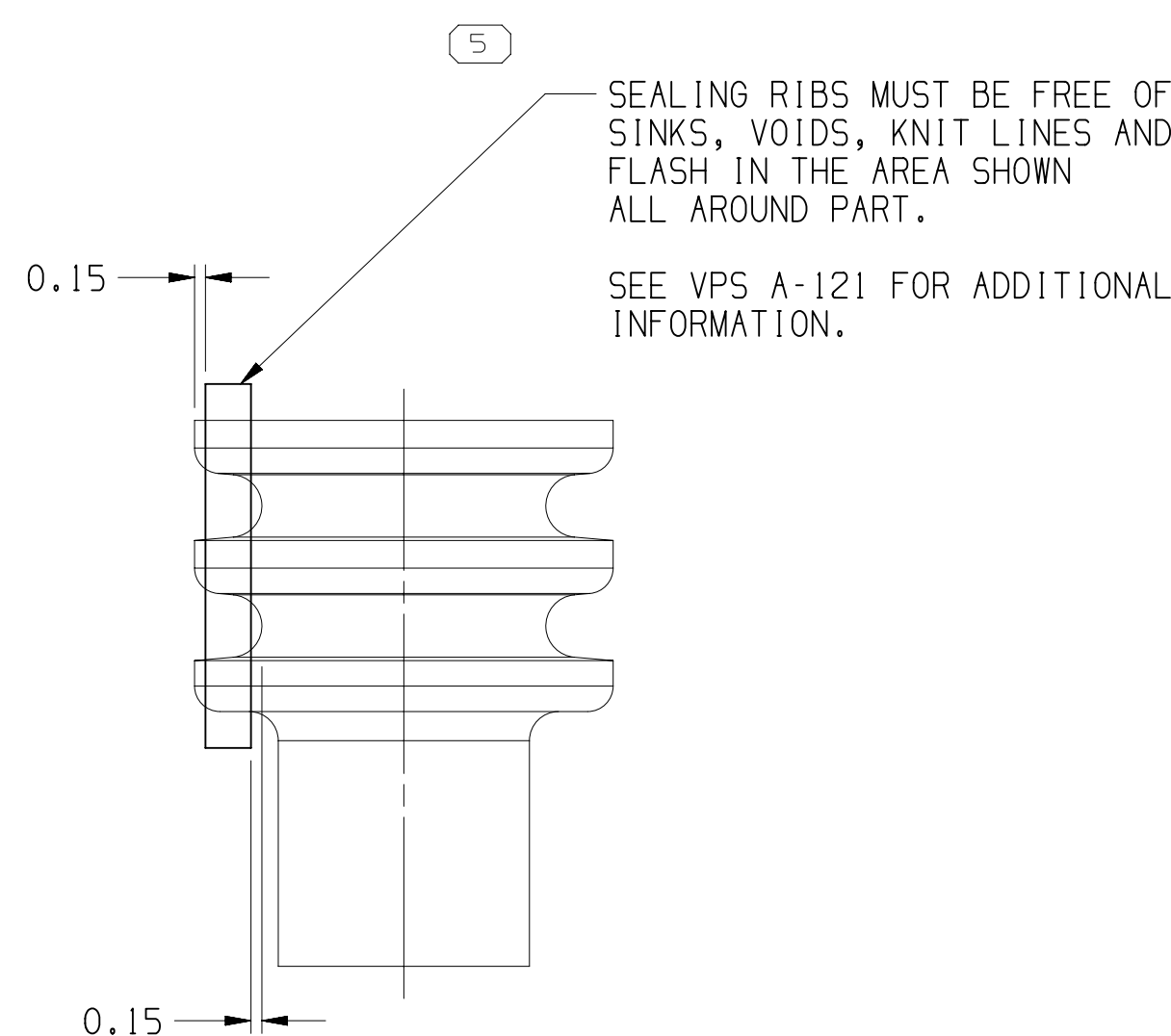


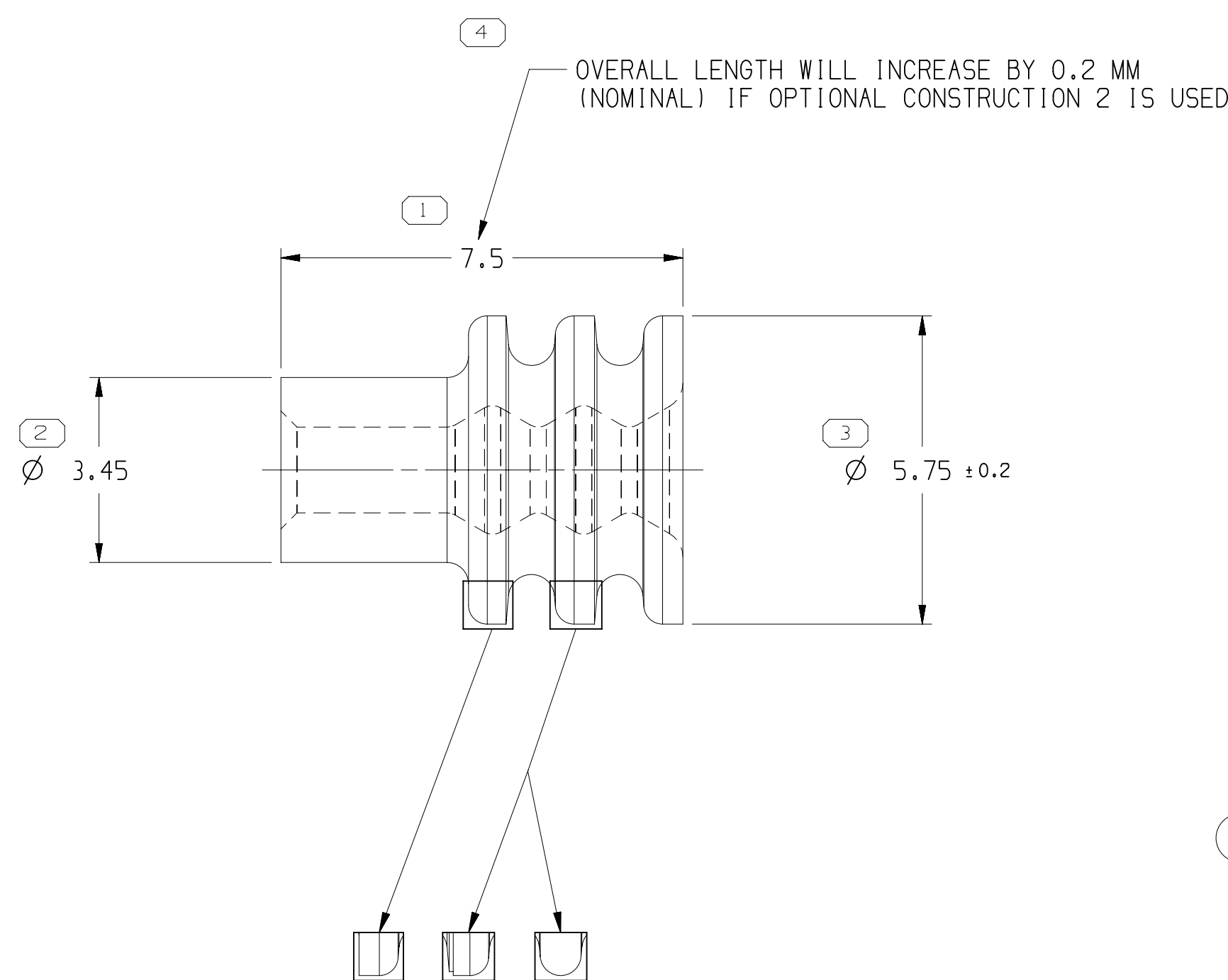
OPTIONAL CONSTRUCTION 1  
(ANTI-STICK RING)



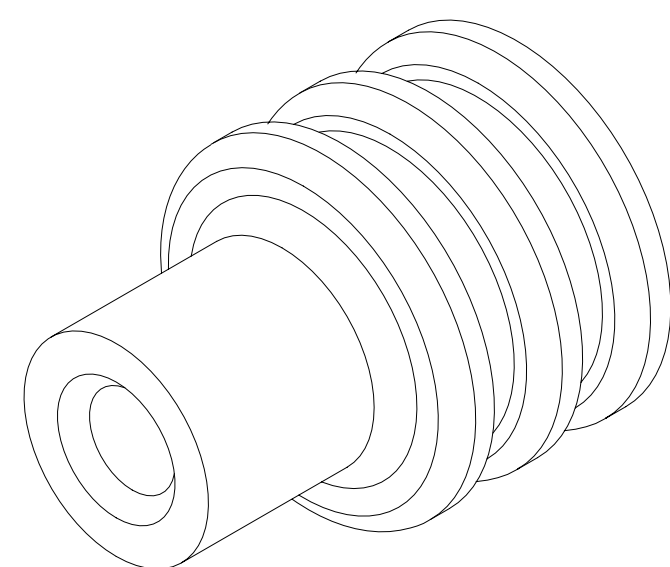
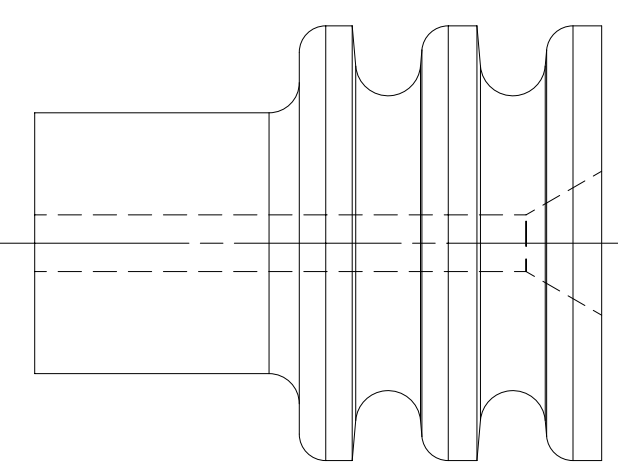
OPTIONAL CONSTRUCTION 2  
THIS IS THE PREFERRED CONSTRUCTION FOR NEW  
TOOL BUILDS  
(ANTI-STICK RING)



TYPE 401



TYPE 402  
SAME AS TYPE 401  
EXCEPT AS SHOWN



SYMBOL DEFINITION				MISSING SYMBOLS	
A DIMENSION WITHOUT AN INSPECTION REPORT SYMBOL DOES NOT REQUIRE INSPECTION. IT MAY BE CONTROLLED ON THE INDIVIDUAL COMPONENT DRAWING.				NO MISSING SYMBOL NUMBER	
				LAST NO. USED	
				5	

DWG STATUS		ZONE		REVISION HISTORY		AUTH		DR		APVD/REV	
DATE	STG	REV	N/P	CHG							
03DEC99	R	001	-	-	ALL PARTS - REDRAWN TO PD	990009	EOV	CMP	RR		
03DEC99	R	002	-	-	15324973-76 & 15324979 - RELEASED	990005	EOV	CMP	RR		
17MY00	R	003	-	-	15393249 - RELEASED	000005	MAC	MAC	MM		
07NOV00	R	004	-	-	15324973-76 & 15324979 - REVISED	202978	JLZ	EAR	JR		
07NOV00	R	005	-	-	15393249 - REVISED MYLAR & CABLE SEAL ASM COLUMN	204413	EAR	EAR	JR		
19JAO1	R	006	-	-	UPDATED PDM ATTRIBUTES	205150	JLZ	JLZ	JR		
09JAO1	R	007	-	-	15393249 - PM009216 WAS PM002196 AND "G" DIM WAS 5.75 +/- 0.15	205774	MAC	MAC	TP		
29MR01	R	008	-	-	15393249 - MAT'L SPEC WAS PM009216	207669	FMH	FMH	TP		
06NOV01	R	009	-	-	12048086 - UPDATED PDM ATTRIBUTES	215063	MRL	MRL	DLB		
10FEO3	R	10	-	-	15324974 AND 15324976 - UPDATED PDM ATTRIBUTES	236300	BRB	BRB	MLP		
05AP04	R	11	-	-	12052925, 12052924, 15393249, 15324979, 15324976, 15324975, 15324973, 12186769, 12124669, 12110213, 12089678, 12089441, 12084193, 12048087, AND 12048086 - UPDATED MAT'L SPECS, REMOVED MAT'L SPEC NOTES, NOTE 9 WAS 10 AND REMOVED OLD NOTE 9, REMOVED "Ø A" DIM 2 PLCS AND "A" COLUMN FROM CHART, ADDED COLOR COLUM TO CHART	251238	BRB	BRB	MR		
19NOV04	R	12	-	-	REVISED CHART	261378	MLM	MLM	MR		
23FEO5	R	13	-	-	12048086, 12048087, 12084193, 12089678, 12110213, 12186769, 12052924, 12052925, 12124669, 12089442 AND 12186770 ADDED RESTRICTED STATUS; 15324973-4976 AND 15324979 MAT'L SPEC WAS M3466; ADDED NOTES COLUMN TO CHART; NOTE 7 WAS 9, NOTE 8 WAS 7 AND NOTE 9 WAS 8; REMOVED DIM "C" FROM TYPE 402 VIEW	265239	RH	RH	MR		
10JNO5	R	14	-	-	REVISED GRAPHICS	269180	BPS	JVM	MPR		
17FEO6	R	15	-	-	REVISED CHART	277502	MM	MM	MR		
03MR06	R	16	-	-	15324973-76 & 15324979 - MAT'L SPEC WAS M3469	277946	HCB	JVM	MR		
17AUG06	R	17	-	-	15324975 - OBSOLETE	273517	CCV	AUG	MR		
03OC06	R	18	-	-	ALL ACTIVE PARTS - ADDED SEALING RIBS VIEWS, OVERALL LENGTH LABEL, SEALING RIBS LABEL, ANTI-STICK RING OPTIONAL CONSTRUCTION 1 & 2 VIEWS AND DIMS (2 PLCS); 12084193 & 12124669 - REMOVED RESTRICTED, OPTIONAL CONSTRUCTION VIEWS, CONSTRUCTION LINE VIEWS, TYPES 404, 405 & 406 VIEWS AND COLUMNS C, F & G FROM CHART; DIM Ø 3.45 WAS Ø C, DIM Ø 5.75 Ø0.2 WAS Ø G & DIM 7.5 WAS F, CABLE OD RANGE 1.2 - 1.7 WAS 1.29 - 1.7 AND EQUIVALENT CABLE SEAL COLUMN; 15324973-74, 15324976 & 15324979 - MAT'L SPEC M3469 WAS M3466 & ADDED ALTERNATE MAT'L SPEC M3466XXX	285225	JBD	FRG	MPR		
11OC07	R	19	-	-	ALL ACTIVE PARTS - ADDED NOTE 10, USAGE COLUMN AND CHAMFER TO TYPES 401, REVISED TYPE 403 TO 401	402596	RH	RH	MPR		
30SE08	R	20	-	-	13713910 & 13713911 - RELEASED	406278	RRR	AGN	RRR		
01MY09	R	21	-	-	ALL ACTIVE PARTS - UPDATED MAT'L SPEC TO GENERIC CALLOUT, REMOVED ALTERNATE MAT'L SPEC COLUMN FROM CHART; 12186769 - REMOVED NOTE FROM CHART AND 13713910 & 13713911 - OBSOLETE	407894	RTV	AUG	MPR		
03JNO9	R	22	-	-	13766444 - RELEASED	408127	ECB	AUG	JOS		
24JUL09	R	23	-	-	ALL PARTS - ADDED VOLUME COLUMN AND REMOVED COLOR COLUMN	408462	ECB	AUG	MPR		
30OC09	R	24	-	-	12084193 - UPDATED PDM ATTRIBUTES	409370	JAR	JAR	MPR		
15MY10	R	25	-	-	UPDATED PDM ATTRIBUTES	410847	MAL	MAL	JFB		
15JUN10	R	26	-	-	12052924-25, 12089442, 12124669, 12146011, 12186770 & 13713910 - MOVED TO SHT 6; 12048086-87 & 12089678 - OBSOLETE AND ADDED "REPLACED BY" COLUMN ON CHART	411067	AGM	JAA	MPR		
12JUL11	R	27	-	-	15324973 - UPDATED PDM ATTRIBUTES	413028	AHY	DMC	GEW		
13SE19	R	28	-	-	12089678 - REINSTATED AND ADDED RESTRICTED USAGE COLUMN	444511	JOO	JAA	JAF		
05OC21	R	29	-	-	ALL ACTIVE PARTS - REVISED "TO IMPROVE SEAL" NOTE	555461	GDH	JAA	ACR		

#### NOTES

- UNLESS OTHERWISE SPECIFIED AND/OR INDICATED:  
DIMENSIONS ARE TO FACE OF VIEW SHOWN AND AUTOMATICALLY ROUNDED BY COMPUTER FOR INSPECTION (SEE MATH MODEL FOR PRECISE DIMENSIONS). FOR ALL OTHER DIMENSIONS NOT SHOWN BUT REQUIRED FOR TOOL BUILD, SEE MATH MODEL FOR PRECISE TOOL PATH DATA.
- SEALING RIBS ARE IDENTICAL, EXCEPT AS SHOWN.
- PARTS NOT MADE ON FLASHLESS MOLDS MUST BE DEFLASHED, WASHED AND DRIED AFTER MOLDING. WASHING SHOULD OCCUR WITHIN 12 HOURS AFTER MOLDING.
- PARTS ARE TO BE PACKAGED IN SEALED PLASTIC BAGS. GROSS WEIGHT INCLUDING CARTON IS NOT TO EXCEED 34 POUNDS.
- PARTS MUST BE MADE FROM VIRGIN MATERIAL ONLY.
- TO IMPROVE SEAL PROCESSING ON SLIPPERY OR SMOOTH CABLE INSULATION, THE APPLICATION ENGINEER MAY SPECIFY THE NEXT SMALLER SEAL SIZE P/N IN PLACE OF THE INDICATED SEAL FOR THE "CABLE O.D." LISTED IN THE CHART.
- DESIGNED FOR 0.8 MM<sup>2</sup> SOLID CORE DRAIN WIRE Ø 1.002 ±0.007
- PARTS MADE OF FLUOROSILICONE MUST BE POST-CURED FOR 4 HRS AT 400° F.
- THIS PRODUCT IS NOT CATEGORIZED AS AN APPEARANCE ITEM, MINOR IMPERFECTIONS INCLUDING, BUT NOT LIMITED TO, FLOW MARKS, COLOR BLEMISHES, GATE VESTIGE, AND SOFT FLASH THAT DO NOT AFFECT THE FIT, FORM, OR FUNCTION OF THE PART ARE PERMISSIBLE PER EANP-4-3-CS-01-EN.
- P/N 13713911 MUST BE POST-BAKED FOR 4 HOURS AT 400° F.
- SEE 12010295 SHEET 6 FOR MYLAR ASSEMBLY INFORMATION.

PART NO	REV	N/P	CABLE SEAL	MATERIAL SPECIFICATION AND COLOR	TYPE	CABLE O.D. ±0.05 SEE NOTE #6	CAVITY ID	EQUIVALENT CABLE SEAL	NOTES	VOLUME	REPLACED BY	RESTRICTED USAGE
13766444	01	AB		SILICONE METHYL/VINYL GRAY	401	2.15-1.6	5.2	15324979	-	0.099	-	-
13713911	01	AA		SILICONE METHYL/VINYL GREEN	401	2.85-2.03	5.2		SEE NOTE 10	0.092	-	-
15393249	01	AK		FLUOROSILICONE METHYL/VINYL GREEN	401	2.15-1.6	5.2		SEE NOTE 8	0.099	-	-
15324979	01	AK		SILICONE METHYL/VINYL GRAY	401	2.15-1.6	5.2	12186769	-	0.099	-	-
15324976	01	AK		SILICONE METHYL/VINYL WHITE	401	2.15-1.6	5.2	12089678	-	0.099	-	-
15324975	01	AF		SILICONE METHYL/VINYL OCHER	402	1.009-0.995	5.2		SEE NOTE 7	0.109	-	-
15324974	01	AL		SILICONE METHYL/VINYL BLUE	401	1.7-1.29	5.2	12048087	-	0.105	-	-
15324973	01	AL		SILICONE METHYL/VINYL REDDISH BROWN	401	2.85-2.03	5.2	12048086	-	0.092	-	-
12186769	B10	-		SILICONE METHYL/VINYL GRAY	401	2.15-1.6	5.2	15324979	-	0.099	-	-
12129926	B8	-		FLUOROSILICONE METHYL/VINYL ORANGE	401	1.7-1.29	5.2		SEE NOTE 8	0.105	-	-
12110213	B9	-		FLUOROCARBON BLUE	401	2.65-1.85	5.2		-	0.099	-	-
12089678	A12	-		SILICONE METHYL/VINYL WHITE	401	2.15-1.6	5.2	15324976	-	0.099	-	RESTRICTED
12089441	B	-		SILICONE METHYL/VINYL YELLOW	401	2.15-1.6	5.2		-	0.099	-	-
12084193	A9	-		SILICONE METHYL/VINYL TAN	402	1.009-0.995	5.2		SEE NOTE 7	0.109	-	-
12048087	02	AH		SILICONE METHYL/VINYL BLUE	401	1.7-1.29	5.2	15324974	-	0.105	15324974	-
12048086	02	AG		SILICONE METHYL/VINYL REDDISH BROWN	401	2.85-2.03	5.2	15324973	-	0.092	15324973	-

		3		PROCESS SENSITIVE DIMENSION	
				DIMENSIONS ENCLOSED IN ( ) INDICATE REFERENCE DIMENSIONS AND NO TOLERANCE LIMITS ARE ESTABLISHED	
DIMENSIONAL RANGE (MM)				CHART E	
FROM	TO	FROM	TO	FROM	TO
0	20	0	20	0	20
20	30	30	40	40	50
30	40	40	50	50	60
40	50	50	60	60	70
50	60	60	70	70	80
60	70	70	80	80	90
70	80	80	90	90	100
80	90	90	100	100	110
90	100	100	110	110	120
100	110	110	120	120	130
110	120	120	130	130	140
120	130	130	140	140	150
130	140	140	150	150	160
140	150	150	160	160	170
150	160	160	170	170	180
160	170	170	180	180	190
170	180	180	190	190	200
180	190	190	200	200	210
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210	220	220	230	230	240
220	230	230	240	240	250
230	240	240	250	250	260
240	250	250	260	260	270
250	260	260	270	270	280
260	270	270	280	280	290
270	280	280	290	290	300
280	290	290	300	300	310
290	300	300	310	310	320
300	310	310	320	320	330
310	320	320	330	330	340
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330	340	340	350	350	360
340	350	350	360	360	370
350	360	360	370	370	380
360	370	370	380	380	390
370	380	380	390	390	400
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440	450	450	460	460	470
450	460	460	470	470	480
460	470	470	480	480	490
470	480	480	490	490	500
480	490	490	500	500	510
490	500	500	510	510	520
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510	520	520	530	530	540
520	530	530	540	540	550
530	540	540	550	550	560
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590	600	600	610	610	620
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620	630	630	640	640	650
630	640	640	650	650	660
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650	660	660	670	670	680
660	670	670	680	680	690
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680	690	690	700	700	710
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700	710	710	720	720	730
710	720	720	730	730	740
720	730	730	740	740	750
730	740	740	750	750	760
740	750	750	760	760	770
750	760	760	770	770	780
760	770	770	780	780	790
770	780	780	790	790	800
780	790	790	800	800	810
790	800	800	810	810	820
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810	820	820	830	830	840
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830	840	840	850	850	860
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850	860	860	870	870	880
860	870	870	880	880	890
870	880	880	890	890	900
880	890	890	900	900	910
890	900	900	910	910	920
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1170	1180	1180	1190	1190	1200
1180	1190	1190	1200	1200	1210
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1200	1210	1210	1220	1220	1230
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2180	2190	2190	2200	2200	2210
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2200	2210	2210	2220	2220	2230
2210	2220	2220	2230	2230	2240
2220	2230	2230	2		

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