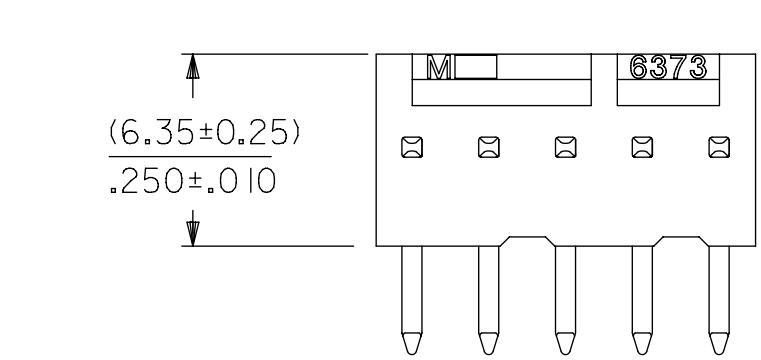
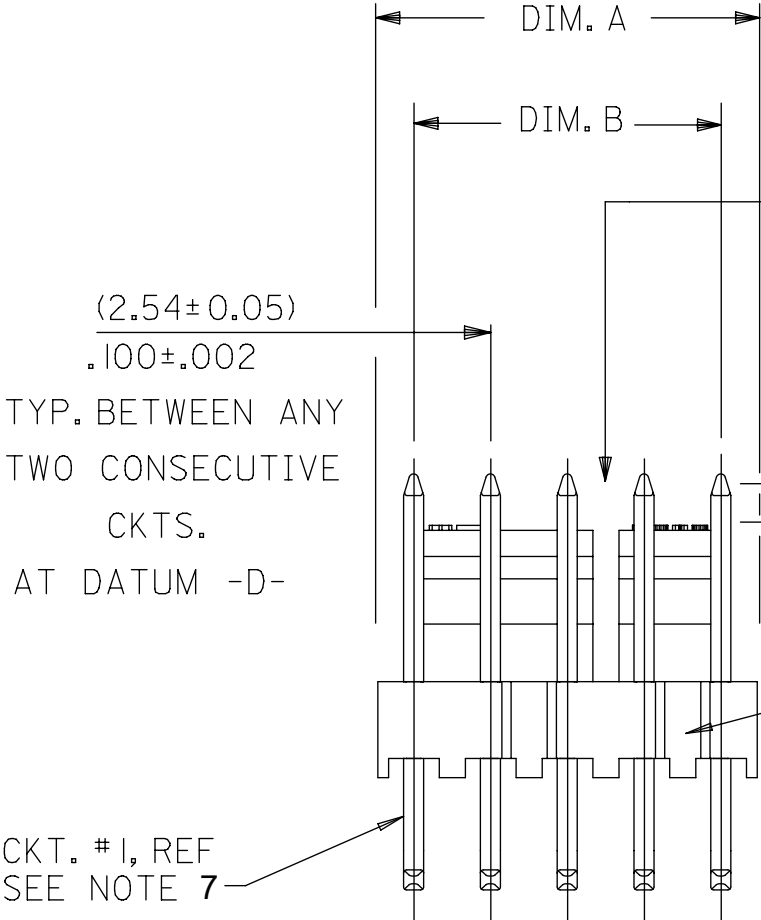


	12		11		10		9		8		7		6		5		4		3		2		1
H	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25																			
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25																			
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 21																			
	25	(63.50 / 62.99) 2.500 / 2.480	(60.96 ± 0.25) 2.400 ± .010	4 , 5 20 , 21																			
	24	(60.96 / 60.45) 2.400 / 2.380	(58.42 ± 0.25) 2.300 ± .010	4 , 5 20 , 21																			
	23	(58.42 / 57.96) 2.300 / 2.282	(55.88 ± 0.23) 2.200 ± .009	4 , 5 20 , 21																			
G	22	(55.88 / 55.42) 2.200 / 2.182	(53.34 ± 0.23) 2.100 ± .009	4 , 5 16 , 17																			
	21	(53.34 / 52.88) 2.100 / 2.082	(50.80 ± 0.23) 2.000 ± .009	4 , 5 16 , 17																			
	20	(50.80 / 50.34) 2.000 / 1.982	(48.26 ± 0.23) 1.900 ± .009	4 , 5 16 , 17																			
	19	(48.26 / 47.80) 1.900 / 1.882	(45.72 ± 0.23) 1.800 ± .009	4 , 5 16 , 17																			
F	18	(45.72 / 45.31) 1.800 / 1.784	(43.18 ± 0.20) 1.700 ± .008	4 , 5 12 , 13																			
	17	(43.18 / 42.77) 1.700 / 1.684	(40.64 ± 0.20) 1.600 ± .008	4 , 5 12 , 13																			
	16	(40.64 / 40.23) 1.600 / 1.584	(38.10 ± 0.20) 1.500 ± .008	4 , 5 12 , 13																			
	15	(38.10 / 37.69) 1.500 / 1.484	(35.56 ± 0.20) 1.400 ± .008	4 , 5 12 , 13																			
E	14	(35.56 / 35.20) 1.400 / 1.386	(33.02 ± 0.18) 1.300 ± .007	4 , 5 8 , 9																			
	13	(33.02 / 32.66) 1.300 / 1.286	(30.48 ± 0.18) 1.200 ± .007	4 , 5 8 , 9																			
	12	(30.48 / 30.12) 1.200 / 1.186	(27.94 ± 0.18) 1.100 ± .007	4 , 5 8 , 9																			
	11	(27.94 / 27.58) 1.100 / 1.086	(25.40 ± 0.18) 1.000 ± .007	4 , 5 8 , 9																			
D	10	(25.40 / 25.04) 1.000 / .986	(22.86 ± 0.15) .900 ± .006	4 , 5																			
	9	(22.86 / 22.50) .900 / .886	(20.32 ± 0.15) .800 ± .006	4 , 5																			
	8	(20.32 / 19.96) .800 / .786	(17.78 ± 0.15) .700 ± .006	4 , 5																			
	7	(17.78 / 17.42) .700 / .686	(15.24 ± 0.13) .600 ± .005	4 , 5																			
C	6	(15.24 / 14.88) .600 / .586	(12.70 ± 0.13) .500 ± .005	4 , 5																			
	5	(12.70 / 12.40) .500 / .488	(10.16 ± 0.13) .400 ± .005	NONE																			
	4	(10.16 / 9.86) .400 / .388	(7.62 ± 0.13) .300 ± .005	NONE																			
	3	(7.62 / 7.32) .300 / .288	(5.08 ± 0.10) .200 ± .004	NONE																			
B	2	(5.08 / 4.78) .200 / .188	(2.54 ± 0.05) .100 ± .002	NONE																			
	NO. OF CKTS.	DIM. A	DIM. B	SLOTS LOC.																			



NOTES:

1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH:
(154) = OVERALL TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
(197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
(222) = OVERALL MATTE TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
(208) = SELECT GOLD: 0.00038/.000015 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
(228) = SELECT GOLD: 0.00076/.000030 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
(241) = SELECT GOLD: 0.00051/.000020 MIN, SELECT MATTE TIN: 0.00254/.000100, BOTH OVER 0.00127/.000050 MIN NICKEL.
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-10-07.
4. PACKAGING INFORMATION: SEE LEGEND.
5. PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.
6. PIN PUSH OUT FORCE: 2 LBS. MIN.
7. CIRCUIT ONE DESIGNATION IS USED TO DEFINE VOID LOCATION.
CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE ON THE MATING HOUSING.
8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

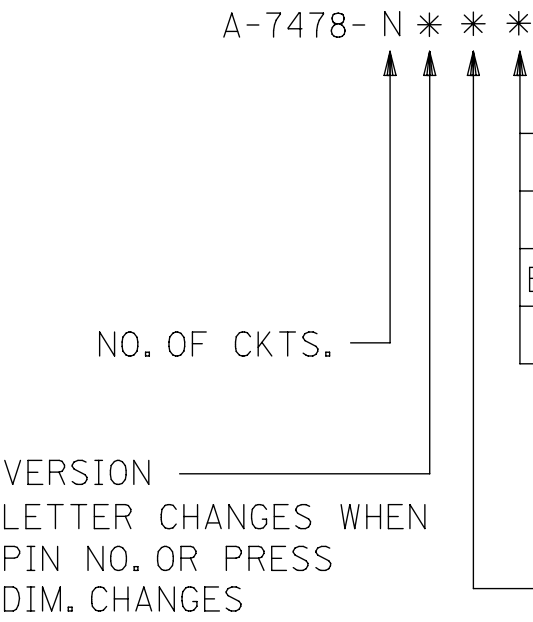


SLOTS LOCATED BETWEEN CIRCUITS (SEE CHART)

CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -D- BY MORE THAN (0.20)/.008 IN ANY DIRECTION

RECESSED GATE MAY BE PRESENT ON 2-25 CKT PARTS. LOCATION VARIES.

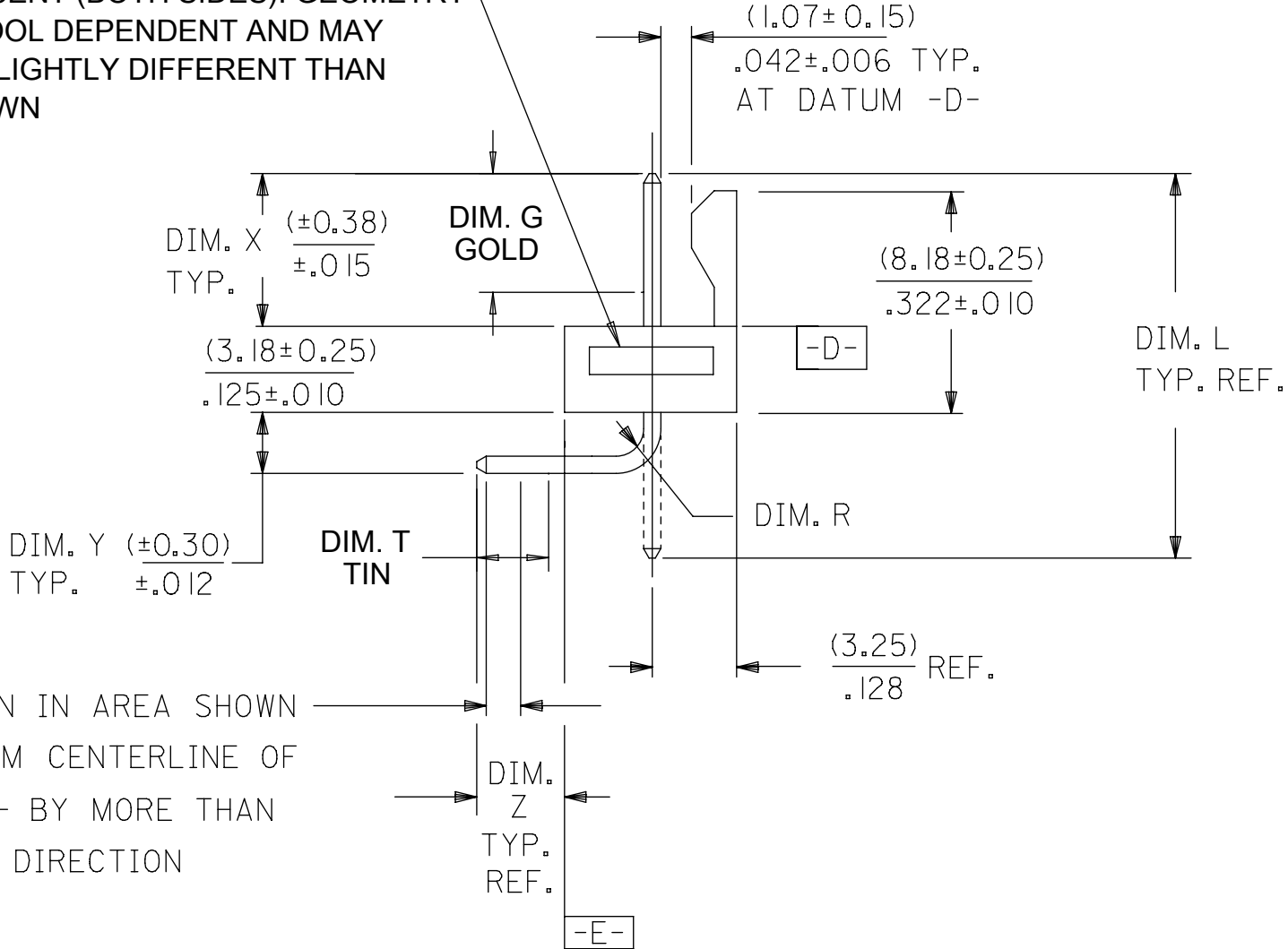
CKT. #1, REF SEE NOTE 7



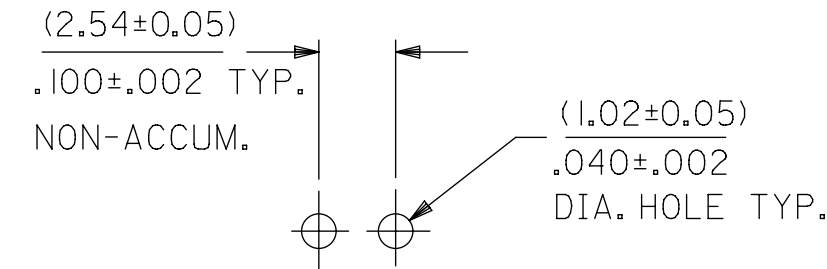
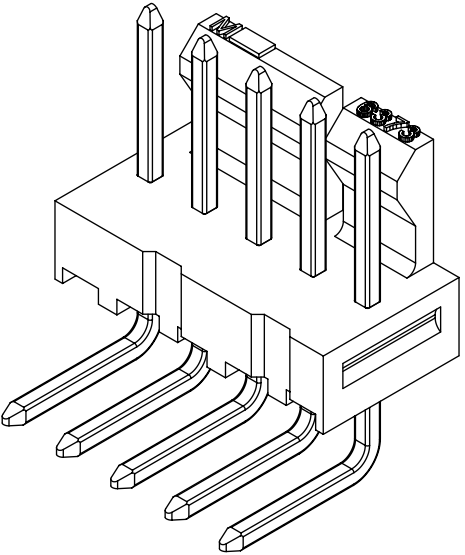
SECONDARY OPERATIONS	
CODE	PACKAGE
BLANK	BULK PK-7478-001
T	TUBE PER PK-44743-001

PLATING
SEE NOTE 2

GROOVE MAY OR MAY NOT BE PRESENT (BOTH SIDES). GEOMETRY IS TOOL DEPENDENT AND MAY BE SLIGHTLY DIFFERENT THAN SHOWN



CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN (0.13)/.005 IN ANY DIRECTION



RECOMMENDED P.C. BOARD HOLE LAYOUT

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
= 0		ADD ALT ENGRAVING VIEW	2016/03/16 2017/04/11 2017/04/28	EC NO: 111298 DRWN: MKIPPER CHK'D: MKIPPER APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE																
= 0							MM/IN		4:1																
= 0							DRWN BY		DATE																
= 0							4 PLACES		±	±	GUZIC		1987/07/30		FRICION LOCK HEADER ASY .100 CL BENT SQ. PINS 7478 SERIES										
= 0							3 PLACES		±	± .010	CHK'D BY		DATE												
= 0							2 PLACES		± 0.25	± .015	PATEL		1987/07/30												
= 0							1 PLACES		± 0.38	±	APPR BY		DATE		PRODUCT CUSTOMER DRAWING										
= 0							0 PLACES		±	±	FSMITH		2014/05/16												
= 0							ANGULAR TOL ± 1/2		DRAWING SIZE		THIRD ANGLE PROJECTION		C				SERIES	MATERIAL NUMBER		CUSTOMER					
= 0																	7478	SEE CHART		GENERAL MARKET					
= 0		AA2		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER								
= 0		AA2		REV							SDA-7478		PSD		000		1 OF 5								

	12	11	10		9	8	7	6	5	4	3	2	1
H	ENG. NO.	PIN NO.	DIM. L	DIM. X	DIM. Z	DIM. Y	DIM. W	DIM. R	DIM. G	DIM. T			
	A-7478-NA222	2766-41(222) OR 4266-0667	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
	A-7478-NA241	4266-0666	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	(4.57) .180	(3.43) .135			
	A-7478-NA241T	4266-0666	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	(4.57) .180	(3.43) .135			
	A-7478-NA197T	4266-0662	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
G													
	A-7478-NA228	42663-0664	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	(4.57) .180	(3.43) .135			
	A-7478-NE197	42663-0742	(19.81) .780	(7.75) .305	(3.56) .140	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
	A-7478-NF197	42663-0622	(18.29) .720	(6.73) .265	(2.92±.25) .115±.010	(3.18) .125 REF.	90°	(1.17) .046	N/A	OVERALL			
F	A-7478-NH197	42663-0482	(16.51) .650	(7.49) .295	(2.69) .106	(0.64) .025	90°	(.64) .025	N/A	OVERALL			
	A-7478-NM208	42663-0564	(17.53) .690	(7.57) .298	(3.63) .143	(0.64) .025	90°	(.64) .025	(5.08) .200	(3.43) .135			
	A-7478-NA154	42663-0668	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
E	A-7478-ANE197	42663-0742	(19.81) .780	(7.75) .305	(3.56) .140	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
	A-7478-NM197	42663-0562	(17.53) .690	(7.57) .298	(3.63) .143	(.64) .025	90°	(.64) .025	N/A	OVERALL			
	A-7478-NH228	42663-0483	(16.51) .650	(7.49) .295	(2.69) .106	(.64) .025	90°	(.64) .025	(5.08) .200	(5.08) .200			
D	A-7478-NN197	42663-0662	(18.80) .740	(6.71) .264	(3.58) .141	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
	A-7478-NP197	42663-1142	(24.89) .980	(6.60) .260	(9.73) .383	(3.05) .120	90°	(1.17) .046	N/A	OVERALL			
C													
B													
A													

12		11		10		9		8		7		6		5		4		3		2		1	
A-7478-NA222				A-7478-NA241				A-7478-NA241T				A-7478-NA197T											
PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.	
22-05-302I		A-7478-2A222		22-12-2024		A-7478-2A241		50-29-1710		A-7478-2A241T		50-34-8500		A-7478-2A197T									
22-05-303I		A-7478-3A222		22-12-2034		A-7478-3A241		50-29-1711		A-7478-3A241T		50-34-8501		A-7478-3A197T									
22-05-304I		A-7478-4A222		22-12-2044		A-7478-4A241		50-29-1705		A-7478-4A241T		50-34-8502		A-7478-4A197T									
22-05-305I		A-7478-5A222		22-12-2054		A-7478-5A241		50-29-1712		A-7478-5A241T													
22-05-306I		A-7478-6A222		22-12-2064		A-7478-6A241		50-29-1713		A-7478-6A241T													
22-05-307I		A-7478-7A222		22-12-2074		A-7478-7A241		50-29-1714		A-7478-7A241T													
22-05-308I		A-7478-8A222		22-12-2084		A-7478-8A241		50-29-1715		A-7478-8A241T													
22-05-309I		A-7478-9A222		22-12-2094		A-7478-9A241		50-29-1716		A-7478-9A241T													
22-05-310I		A-7478-10A222		22-12-2104		A-7478-10A241		50-29-1717		A-7478-10A241T													
22-05-311I		A-7478-11A222		22-12-2114		A-7478-11A241		50-29-1718		A-7478-11A241T													
22-05-312I		A-7478-12A222		22-12-2124		A-7478-12A241		50-29-1719		A-7478-12A241T													
22-05-313I		A-7478-13A222		22-12-2134		A-7478-13A241		50-29-1720		A-7478-13A241T													
22-05-314I		A-7478-14A222		22-12-2144		A-7478-14A241		50-29-1721		A-7478-14A241T													
22-05-315I		A-7478-15A222		22-12-2154		A-7478-15A241		50-29-1722		A-7478-15A241T													
22-05-316I		A-7478-16A222		22-12-2164		A-7478-16A241		50-29-1723		A-7478-16A241T													
22-05-317I		A-7478-17A222		22-12-2174		A-7478-17A241		50-29-1724		A-7478-17A241T													
22-05-318I		A-7478-18A222		22-12-2184		A-7478-18A241		50-29-1725		A-7478-18A241T													
22-05-319I		A-7478-19A222		22-12-2194		A-7478-19A241		50-29-1726		A-7478-19A241T													
22-05-320I		A-7478-20A222		22-12-2204		A-7478-20A241		50-29-1727		A-7478-20A241T													
22-05-321I		A-7478-21A222		22-12-2214		A-7478-21A241		50-29-1728		A-7478-21A241T													
22-05-322I		A-7478-22A222		22-12-2224		A-7478-22A241		50-29-1729		A-7478-22A241T													
22-05-323I		A-7478-23A222		22-12-2234		A-7478-23A241		50-29-1730		A-7478-23A241T													
22-05-324I		A-7478-24A222		22-12-2244		A-7478-24A241		50-29-1731		A-7478-24A241T													
22-05-325I		A-7478-25A222		22-12-2254		A-7478-25A241		50-29-1732		A-7478-25A241T													
22-05-326I		A-7478-26A222		22-12-2264		A-7478-26A241		50-29-1733		A-7478-26A241T													
22-05-327I		A-7478-27A222		22-12-2274		A-7478-27A241		50-29-1734		A-7478-27A241T													
22-05-328I		A-7478-28A222		22-12-2284		A-7478-28A241		50-29-1735		A-7478-28A241T													

[illegible]

12		11		10		9		8		7		6		5		4		3		2		1			
A-7478-ANE197				A-7478-NM197				A-7478-NH228				A-7478-NN197				A-7478-NP197									
PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.							
		A-7478-A2E197		22-12-4028		A-7478-2M197		22-16-3026		A-7478-2H228				A-7478-2N197		50-29-0033		A-7478-2P197							
		A-7478-A3E197		22-12-4038		A-7478-3M197		22-16-3036		A-7478-3H228				A-7478-3N197				A-7478-3P197							
		A-7478-A4E197		22-12-4048		A-7478-4M197		22-16-3046		A-7478-4H228				A-7478-4N197				A-7478-4P197							
22-05-3055		A-7478-A5E197		22-12-4058		A-7478-5M197		22-16-3056		A-7478-5H228				A-7478-5N197		22-05-8053		A-7478-5P197							
		A-7478-A6E197		22-12-4068		A-7478-6M197		22-16-3066		A-7478-6H228				A-7478-6N197				A-7478-6P197							
22-05-3075		A-7478-A7E197		22-12-4078		A-7478-7M197		22-16-3076		A-7478-7H228				A-7478-7N197				A-7478-7P197							
		A-7478-A8E197		22-12-4088		A-7478-8M197		22-16-3086		A-7478-8H228				A-7478-8N197				A-7478-8P197							
		A-7478-A9E197		22-12-4098		A-7478-9M197		22-16-3096		A-7478-9H228				A-7478-9N197				A-7478-9P197							
		A-7478-A10E197		22-12-4108		A-7478-10M197		22-16-3106		A-7478-10H228				A-7478-10N197				A-7478-10P197							
		A-7478-A11E197		22-12-4118		A-7478-11M197		22-16-3116		A-7478-11H228				A-7478-11N197				A-7478-11P197							
		A-7478-A12E197		22-12-4128		A-7478-12M197		22-16-3126		A-7478-12H228				A-7478-12N197				A-7478-12P197							
		A-7478-A13E197		22-12-4138		A-7478-13M197		22-16-3136		A-7478-13H228				A-7478-13N197				A-7478-13P197							
		A-7478-A14E197		22-12-4148		A-7478-14M197		22-16-3146		A-7478-14H228				A-7478-14N197				A-7478-14P197							
		A-7478-A15E197		22-12-4158		A-7478-15M197		22-16-3156		A-7478-15H228				A-7478-15N197				A-7478-15P197							
		A-7478-A16E197		22-12-4168		A-7478-16M197		22-16-3166		A-7478-16H228				A-7478-16N197				A-7478-16P197							
		A-7478-A17E197		22-12-4178		A-7478-17M197		22-16-3176		A-7478-17H228		22-59-5176		A-7478-17N197				A-7478-17P197							
		A-7478-A18E197		22-12-4188		A-7478-18M197		22-16-3186		A-7478-18H228				A-7478-18N197				A-7478-18P197							
22-05-3195		A-7478-A19E197		22-12-4198		A-7478-19M197		22-16-3196		A-7478-19H228				A-7478-19N197				A-7478-19P197							
		A-7478-A20E197		22-12-4208		A-7478-20M197		22-16-3206		A-7478-20H228				A-7478-20N197				A-7478-20P197							
		A-7478-A21E197		22-12-4218		A-7478-21M197		22-16-3216		A-7478-21H228				A-7478-21N197				A-7478-21P197							
		A-7478-A22E197		22-12-4228		A-7478-22M197		22-16-3226		A-7478-22H228				A-7478-22N197				A-7478-22P197							
		A-7478-A23E197		22-12-4238		A-7478-23M197		22-16-3236		A-7478-23H228				A-7478-23N197				A-7478-23P197							
		A-7478-A24E197		22-12-4248		A-7478-24M197		22-16-3246		A-7478-24H228				A-7478-24N197				A-7478-24P197							
		A-7478-A25E197		22-12-4258		A-7478-25M197		22-16-3256		A-7478-25H228				A-7478-25N197				A-7478-25P197							
		A-7478-A26E197		22-12-4268		A-7478-26M197		22-16-3266		A-7478-26H228				A-7478-26N197				A-7478-26P197							
		A-7478-A27E197		22-12-4278		A-7478-27M197		22-16-3276		A-7478-27H228				A-7478-27N197				A-7478-27P197							
		A-7478-A28E197		22-12-4288		A-7478-28M197		22-16-3286		A-7478-28H228				A-7478-28N197				A-7478-28P197							
RELEASE STATUS				P1	RELEASE DATE		28.04.2017	22:16:23																	
12				11		10		9		8		7		6		5		4		3		2		1	

QUALITY SYMBOLS

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5