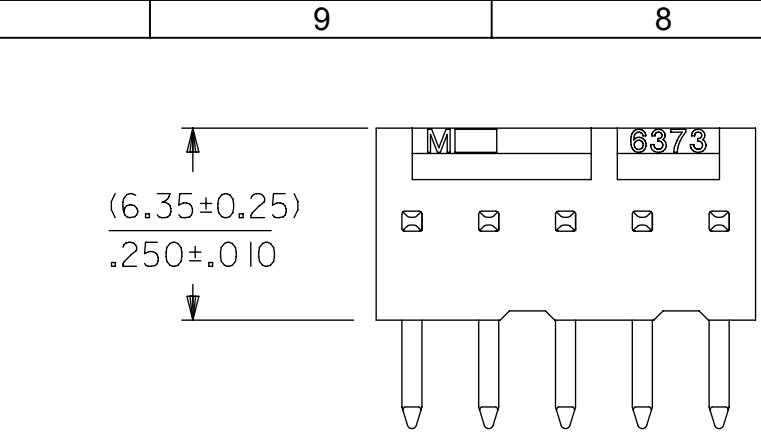
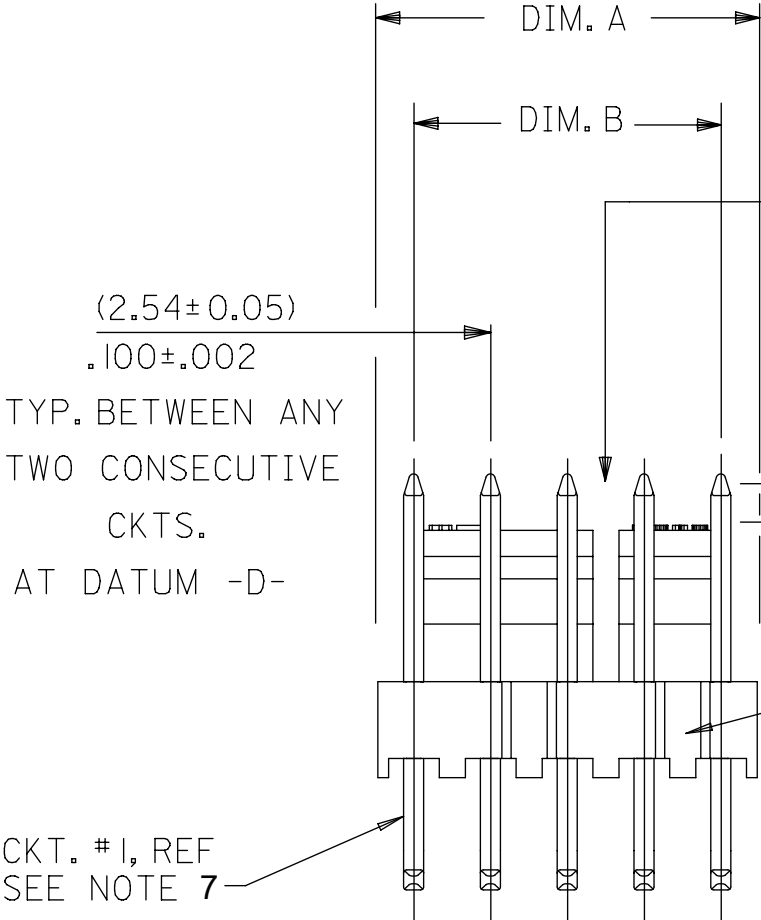


	12		11		10		9		8		7		6		5		4		3		2		1
H	28	(71.12 / 70.61) 2.800 / 2.780	(68.58 ± 0.25) 2.700 ± .010	4 , 5 24 , 25																			
	27	(68.58 / 68.07) 2.700 / 2.680	(66.04 ± 0.25) 2.600 ± .010	4 , 5 24 , 25																			
	26	(66.04 / 65.53) 2.600 / 2.580	(63.50 ± 0.25) 2.500 ± .010	4 , 5 20 , 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.																			

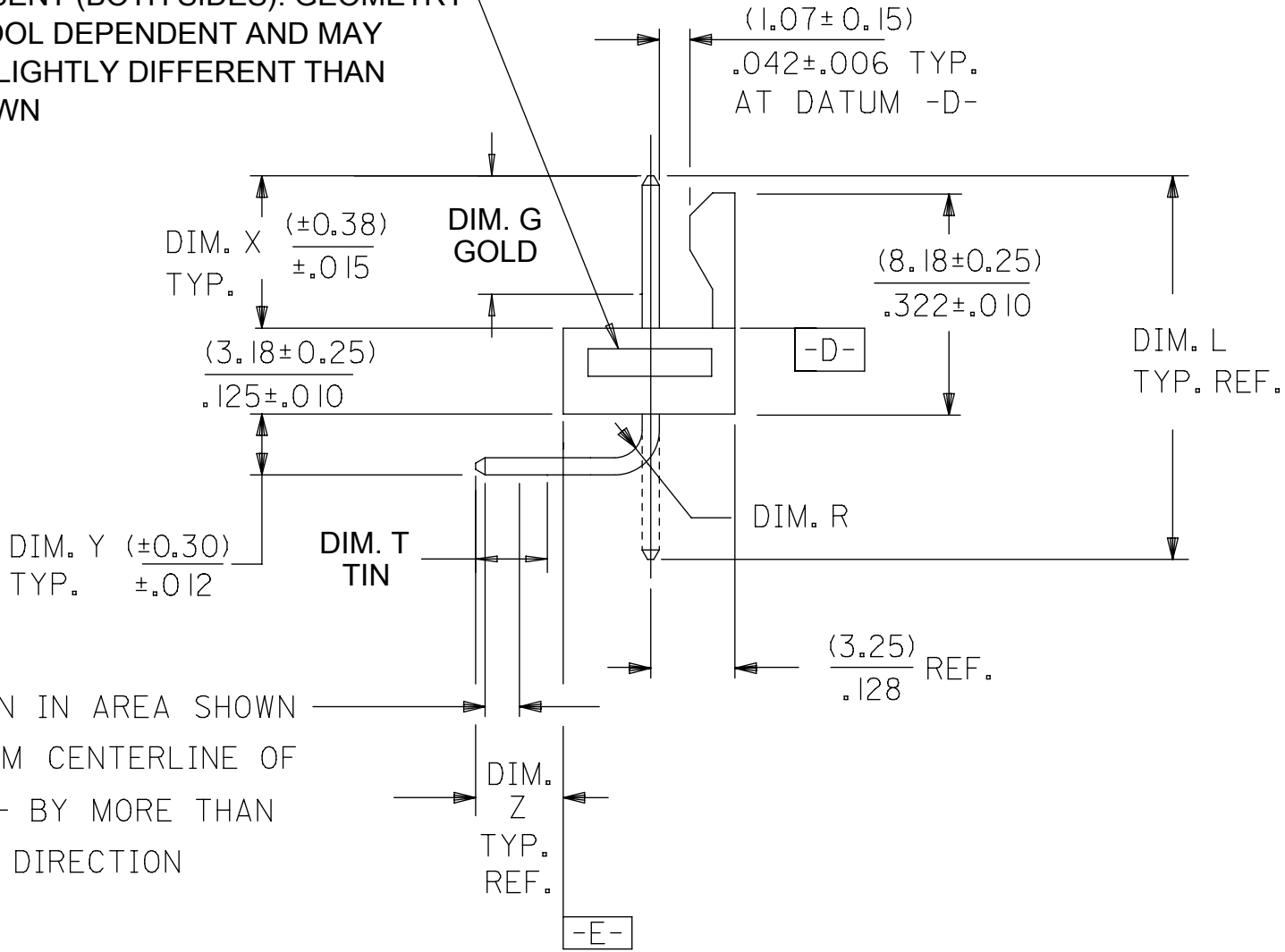


NOTES:

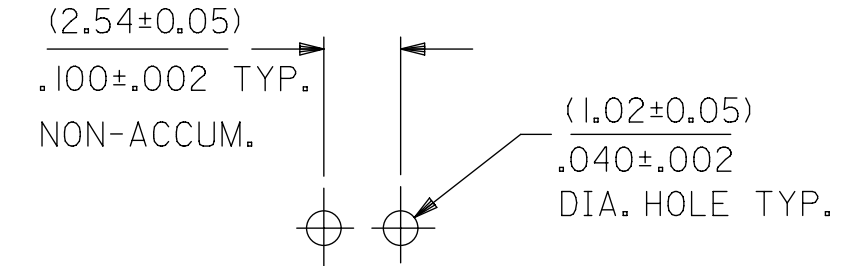
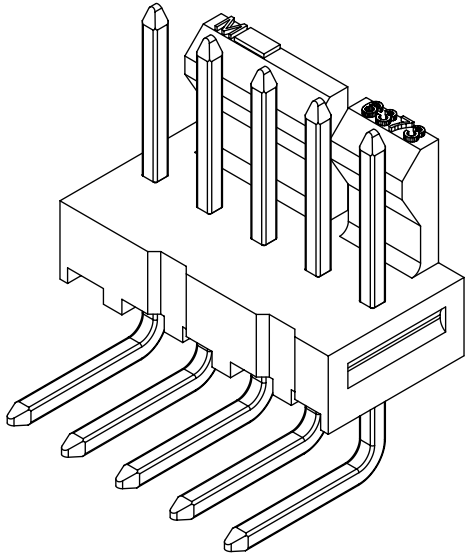
1. MATERIAL: NYLON, UL94V-0, COLOR: WHITE
2. FINISH:
(154) = OVERALL TIN: (0.00254)/.000100 MIN., OVERALL NICKEL UNDERPLATE: (0.00127)/.000050 MIN.
(197) = OVERALL REFLOWED MATTE TIN: 0.00152/.000060 MIN OVER 0.00127/.000050 MIN NICKEL.
(222) = OVERALL MATTE TIN: (0.00254)/.000100 MIN., OVERALL NICKEL 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.



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

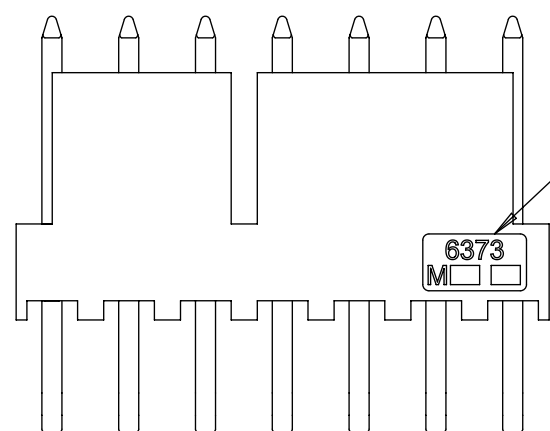


CENTERLINE OF PIN IN AREA SHOWN NOT TO VARY FROM CENTERLINE OF PIN AT DATUM -E- BY MORE THAN (0.13)/.005 IN ANY DIRECTION



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 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	ADD ALT ENGRAVING VIEW	2016/03/16 2017/04/11 2017/04/28	FSMITH	EC NO: 111298 DRWN: MKIPPER CHK'D: MKIPPER APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex® FRICION LOCK HEADER ASY .100 CL BENT SQ. PINS 7478 SERIES PRODUCT CUSTOMER DRAWING SERIES 7478 MATERIAL NUMBER SEE CHART CUSTOMER GENERAL MARKET DOCUMENT NUMBER SDA-7478 DOC TYPE PSD DOC PART 000 SHEET NUMBER 1 OF 5											
							MM/IN		4:1														
							MM		INCH		DRWN BY		DATE		GUZIC		1987/07/30						
					4 PLACES		±		±		CHK'D BY		DATE		PATEL		1987/07/30						
					3 PLACES		±		± .010		APPR BY		DATE		FSMITH		2014/05/16						
					2 PLACES		± 0.25		± .015		DRAWING SIZE		THIRD ANGLE PROJECTION		7478		SEE CHART		GENERAL MARKET				
					1 PLACES		± 0.38		±		C												
					0 PLACES		±		±														
									ANGULAR TOL ± 1/2														
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														

[illegible]

ALTERNATE ENGRAVING LOCATION
(7-12 CKT PARTS ONLY). LOCATION
IS DEPENDENT ON TOOLING.

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	= 0	SEE SHEET 1	2016/03/16 2017/04/11 2017/04/28	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE						
	= 0				MM/IN	NTS							
	= 0						DRWN BY	DATE		FRICTION LOCK HEADER ASY .100 CL BENT SQ. PINS 7478 SERIES			
	= 0				4 PLACES	±	±	GUZIC	1987/07/30				
	= 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				
	= 0				0 PLACES	±	±	FSMITH	2014/05/16		PRODUCT CUSTOMER DRAWING		
	= 0				ANGULAR TOL = 1/2		DRAWING SIZE		THIRD ANGLE PROJECTION				
	= 0				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		C			SERIES	MATERIAL NUMBER		CUSTOMER
	= 0	AA2		7478	SEE CHART					GENERAL MARKET			
	= 0					DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER			
						SDA-7478		PSD	000	2 OF 5			

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					

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