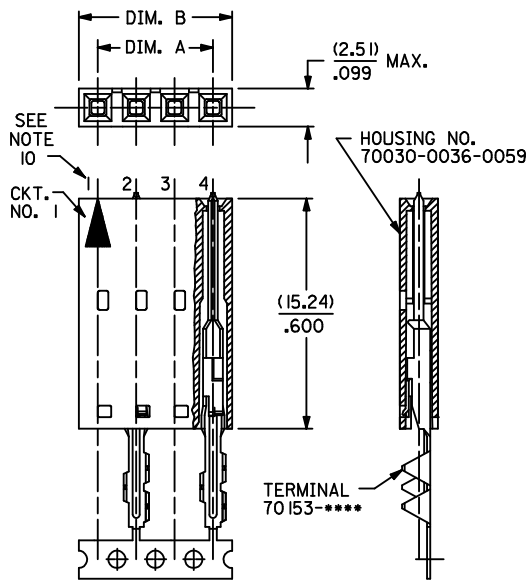
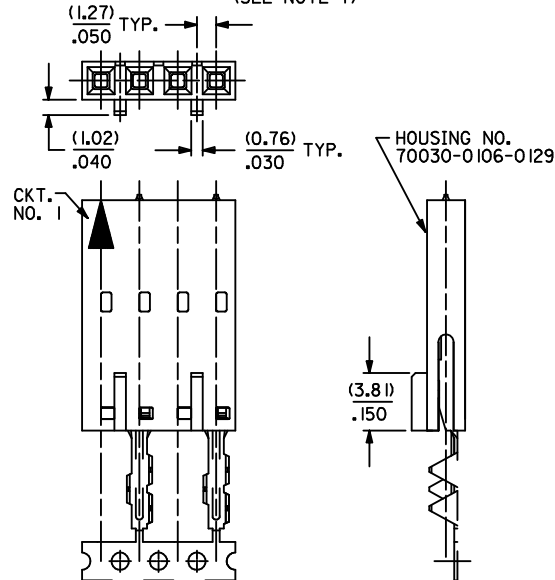


OPTION -A-

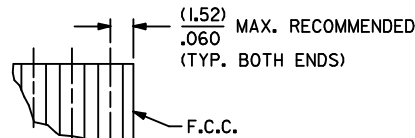


OPTION -D- (SEE NOTE 7)



NOTES:

- 1) SEE TABLE FOR CIRCUIT SIZES.
- 2) TERMINALS ARE SHOWN PRE-LOADED INTO HOUSING AND LOCKED INTO FIRST ROW.
- 3) STANDARD PACKAGING PER PK-70873-0001 SHALL BE USED.
- 4) ALL DIMENSIONS ARE FOR REFERENCE ONLY.
- 5) SEE SHEET 2 OF FAMILY DRAWING FOR PART NO'S. AND PLATINGS.
- 6) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAXIMUM THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 7) RECOMMENDED F.F.C. CONFIGURATION FOR OPTION "D" ONLY; WHEN USED WITH INTERIM CLIPS, SEE DETAIL 1.
- 8) SEE SHEET 2 FOR CORE-OUT CONFIGURATION.
- 9) REFER TO PRODUCT SPECIFICATION NO.: PS-70430.
- 10) NUMBERS DO NOT APPEAR ON ASSEMBLIES.



DETAIL - 1
(SEE NOTE 7)

UPDATE NOTES EC NO: UCP2013-1408 DRWN: TIBARRA 2012/10/10 CHKD: DMORGAN 2012/10/10 APPR: SMILLER 2012/10/25	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY TIBARRA	DATE 2012/10/10	TITLE ASSEMBLY, CONNECTOR F.F.C. MALE SINGLE ROW 2.54/.100 GRID W/ VOIDS molex				
			4 PLACES	± ---	± ---	CHECKED BY DMORGAN	DATE 2012/10/10					
			3 PLACES	± ---	± ---	APPROVED BY	DATE					
			2 PLACES	± ---	± ---	SMILLER	2012/10/25					
			1 PLACE	± ---	± ---							
			0 PLACE	± ---	± ---			MATERIAL NO.		DOCUMENT NO.	SHEET NO.	
			ANGULAR ±1/2°		SEE TABLE		SDA-70456-****			1 OF 2		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

CKT. SIZE	A	B
4	(7.62) .300	(10.13) .399
5	(10.16) .400	(12.67) .499
6	(12.70) .500	(15.21) .599
7	(15.24) .600	(17.75) .699
8	(17.78) .700	(20.29) .799
9	(20.32) .800	(22.83) .899
10	(22.86) .900	(25.37) .999
11	(25.40) 1.000	(27.91) 1.099
12	(27.94) 1.100	(30.45) 1.199
13	(30.48) 1.200	(32.99) 1.299
14	(33.02) 1.300	(35.53) 1.399
15	(35.56) 1.400	(38.07) 1.499
16	(38.10) 1.500	(40.61) 1.599
17	(40.64) 1.600	(43.15) 1.699
18	(43.18) 1.700	(45.69) 1.799
19	(45.72) 1.800	(48.23) 1.899
20	(48.26) 1.900	(50.77) 1.999
21	(50.80) 2.000	(53.31) 2.099
22	(53.34) 2.100	(55.85) 2.199
23	(55.88) 2.200	(58.39) 2.299
24	(58.42) 2.300	(60.93) 2.399
25	(60.96) 2.400	(63.47) 2.499

13

12

11

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6

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2

1

OPTION "A"

ENG. NO.

PLATING

A-70456-0001-0048

102

A-70456-0241-0288

571

AX-70456-0481-0528

574

OPTION "D"

ENG. NO.

PLATING

AX-70456-0097-0144

102

AX-70456-0337-0384

571

AX-70456-0577-0624

574

PLATING CHART PER ES-88-***:

102 - .000200 MINIMUM ELCTRO-TIN PALTE OVER-ALL

571 - .000015 MINIMUM GOLD PLATE IN SELECT AREA
.000075 MINIMUM TIN PLATE IN SELECT AREA
BOTH OVER NICKEL UNDERPLATE OVERALL

574 - .000030 MINIMUM GOLD PLATE IN SELECT AREA
.000075 MINIMUM TIN PLATE IN SELECT AREA
BOTH OVER NICKEL UNDERPLATE OVERALL

CORE-OUT FOR HOUSING

OPTIONS A & D

CKT. SIZES 2-25

(FOR CONTROL OF BOW)

SEE SHEET 1

EC NO: UCP2013-1408

DRWN:TIBARRA 2012/10/10

CHKD:DMORGAN 2012/10/10

APPR:SMILLER 2012/10/25

REV

DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION STYLE

SCALE

DESIGN UNITS

THIRD ANGLE PROJECTION

TITLE

ASSEMBLY, CONNECTOR

F.F.C. MALE SINGLE ROW

2.54/.100 GRID W/ VOIDS

molex

DOCUMENT NO.

SDA-70456-****

SHEET NO.

2 OF 2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

12

11

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3

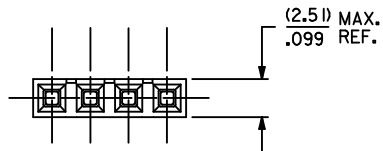
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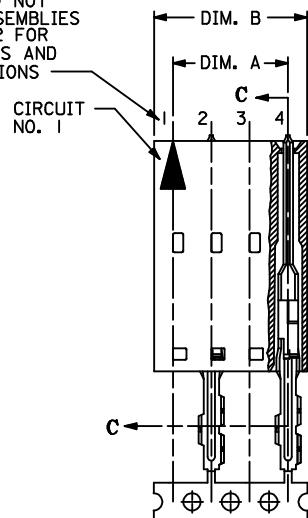
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Rev. G 2012/01/11

"A" - OPTION



NUMBERS DO NOT
APPEAR ON ASSEMBLIES
SEE SHEET 2 FOR
PART NUMBERS AND
VOID LOCATIONS



SECTION C-C



PRE-LOAD
ASSEMBLY



FINAL
ASSEMBLY

FLAT FLEX CABLE (F.F.C.)
(SEE NOTE 1)

NOTES:

- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012
MAXIMUM THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE
COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR,
(0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040
- (1.65)/.065 WIDE SILVER INK CONDUCTORS ON
(2.54)/.100 CENTERS.
- 2) STANDARD PACKAGING PER PK-70873-0001 SHALL BE USED.
- 3) SEE CHART FOR CIRCUIT SIZES, "A" AND "B" DIMENSIONS.
- 4) REFER TO PRODUCT SPECIFICATION NO.: PS-70430.
- 5) PARTS STACKABLE SIDE TO SIDE ON (2.54)/.100 CENTERS.

CKT. SIZE	A	B
4	(7.62) .300	(10.13) .399
5	(10.16) .400	(12.67) .499
6	(12.70) .500	(15.21) .599
7	(15.24) .600	(17.75) .699
8	(17.78) .700	(20.29) .799
9	(20.32) .800	(22.83) .899
10	(22.86) .900	(25.37) .999
11	(25.40) 1.000	(27.91) 1.099
12	(27.94) 1.100	(30.45) 1.199
13	(30.48) 1.200	(32.99) 1.299
14	(33.02) 1.300	(35.53) 1.399
15	(35.56) 1.400	(38.07) 1.499
16	(38.10) 1.500	(40.61) 1.599
17	(40.64) 1.600	(43.15) 1.699
18	(43.18) 1.700	(45.69) 1.799
19	(45.72) 1.800	(48.23) 1.899
20	(48.26) 1.900	(50.77) 1.999
21	(50.80) 2.000	(53.31) 2.099
22	(53.34) 2.100	(55.85) 2.199
23	(55.88) 2.200	(58.39) 2.299
24	(58.42) 2.300	(60.93) 2.399
25	(60.96) 2.400	(63.47) 2.499

HOUSING MATERIAL: GLASS-FILLED, POLYESTER, 94V-0
TERMIANL MATERIAL: PHOSPHOR BRONZE
PLATING:
.000200 MINIMUM ELECTRO-TIN PLATE
OVER .000100 MINIMUM COPPER UNDERPLATE OVERALL

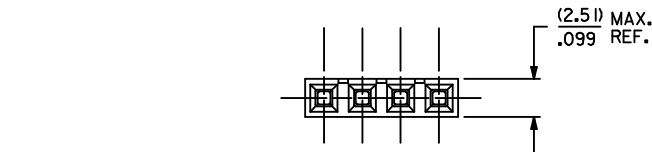
UPDATE NOTES EC NO: UCP2013-1408 DRWN: TIBARRA 2012/10/10 CHKD: DMORGAN 2012/10/01 APPR: SMILLER 2012/10/25	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 					
				mm	INCH	DRAWN BY TIBARRA	DATE 2012/10/10	TITLE ASSEMBLY, CONNECTOR F.F.C. MALE SINGLE ROW 2.54/.100 GRID W/ VOIDS						
			4 PLACES	± ---	± ---	CHECKED BY DMORGAN	DATE 2012/10/10							
			3 PLACES	± ---	± .010	APPROVED BY SMILLER		DATE 2012/10/25		molex				
			2 PLACES	± 0.25	± .014									
			1 PLACE	± 0.35	± ---	MATERIAL NO.		DOCUMENT NO.					SHEET NO. 1 OF 2	
			0 PLACE	± ---	± ---									
ANGULAR ±1/2°			SEE TABLE			SDA-70456-0001-0048								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

		13	12	11	10	9	8	7	6	5		4	3	2	1		
J	CKT. SIZE															J	
		ODD CIRCUIT VOIDS						EVEN CIRCUIT VOIDS									
		EDP NUMBER	ENG NUMBER	VOID LOCATIONS			EDP NUMBER	ENG NUMBER	VOID LOCATIONS								
I	2	NOT TOOLED	NOT TOOLED	N/A			NOT TOOLED	NOT TOOLED	N/A			I					
	3	NOT TOOLED	NOT TOOLED	N/A			NOT TOOLED	NOT TOOLED	N/A								
	4	NOT TOOLED	AX-70456-0003	1,3			NOT TOOLED	AX-70456-0027	2,4								
	5	015-38-6050	A-70456-0004	1,3,5			NOT TOOLED	AX-70456-0028	2,4								
	6	NOT TOOLED	AX-70456-0005	1,3,5			NOT TOOLED	AX-70456-0029	2,4,6								
	7	NOT TOOLED	AX-70456-0006	1,3,5,7			NOT TOOLED	AX-70456-0030	2,4,6								
	8	NOT TOOLED	AX-70456-0007	1,3,5,7			NOT TOOLED	AX-70456-0031	2,4,6,8								
H	9	NOT TOOLED	AX-70456-0008	1,3,5,7,9			NOT TOOLED	AX-70456-0032	2,4,6,8			H					
	10	NOT TOOLED	AX-70456-0009	1,3,5,7,9			NOT TOOLED	AX-70456-0033	2,4,6,8,10								
	11	NOT TOOLED	AX-70456-0010	1,3,5,7,9,11			NOT TOOLED	AX-70456-0034	2,4,6,8,10								
	12	NOT TOOLED	AX-70456-0011	1,3,5,7,9,11			NOT TOOLED	AX-70456-0035	2,4,6,8,10,12								
G	13	NOT TOOLED	AX-70456-0012	1,3,5,7,9,11,13			NOT TOOLED	AX-70456-0036	2,4,6,8,10,12			G					
	14	NOT TOOLED	AX-70456-0013	1,3,5,7,9,11,13			NOT TOOLED	AX-70456-0037	2,4,6,8,10,12,14								
	15	NOT TOOLED	AX-70456-0014	1,3,5,7,9,11,13,15			NOT TOOLED	AX-70456-0038	2,4,6,8,10,12,14								
	16	NOT TOOLED	AX-70456-0015	1,3,5,7,9,11,13,15			NOT TOOLED	AX-70456-0039	2,4,6,8,10,12,14,16								
	17	NOT TOOLED	AX-70456-0016	1,3,5,7,9,11,13,15,17			NOT TOOLED	AX-70456-0040	2,4,6,8,10,12,14,16								
F	18	NOT TOOLED	AX-70456-0017	1,3,5,7,9,11,13,15,17			NOT TOOLED	AX-70456-0041	2,4,6,8,10,12,14,16,18			F					
	19	NOT TOOLED	AX-70456-0018	1,3,5,7,9,11,13,15,17,19			NOT TOOLED	AX-70456-0042	2,4,6,8,10,12,14,16,18								
	20	NOT TOOLED	AX-70456-0019	1,3,5,7,9,11,13,15,17,19			NOT TOOLED	AX-70456-0043	2,4,6,8,10,12,14,16,18,20								
	21	NOT TOOLED	AX-70456-0020	1,3,5,7,9,11,13,15,17,19,21			NOT TOOLED	AX-70456-0044	2,4,6,8,10,12,14,16,18,20								
	22	NOT TOOLED	AX-70456-0021	1,3,5,7,9,11,13,15,17,19,21			NOT TOOLED	AX-70456-0045	2,4,6,8,10,12,14,16,18,20,22								
	23	NOT TOOLED	AX-70456-0022	1,3,5,7,9,11,13,15,17,19,21,23			NOT TOOLED	AX-70456-0046	2,4,6,8,10,12,14,16,18,20,22								
	24	NOT TOOLED	AX-70456-0023	1,3,5,7,9,11,13,15,17,19,21,23			NOT TOOLED	AX-70456-0047	2,4,6,8,10,12,14,16,18,20,22,24								
E	25	NOT TOOLED	AX-70456-0024	1,3,5,7,9,11,13,15,17,19,21,23,25			NOT TOOLED	AX-70456-0048	2,4,6,8,10,12,14,16,18,20,22,24			E					
D																D	
C																C	
B																B	
A																A	

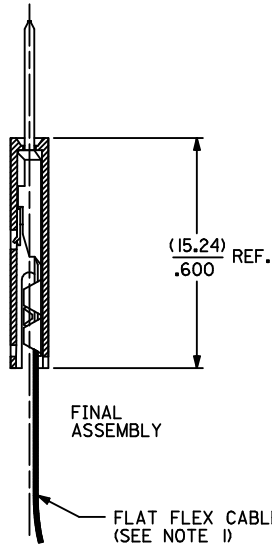
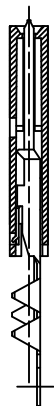
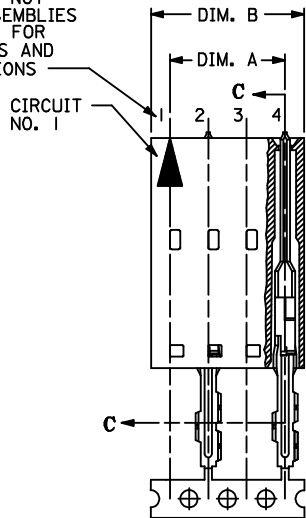
"A" - OPTION

NOTES:

- 1) PRE LOADED ASSEMBLY TO BE USED WITH (0.30)/.012 MAXIMUM THICK FLAT FLEX CABLE WITH (1.57)/.062 WIDE COPPER CONDUCTORS ON (2.54)/.100 CENTERS OR, (0.13)/.005 - (0.28)/.011 THICK MYLAR WITH (1.02)/.040 - (1.65)/.065 WIDE SILVER INK CONDUCTORS ON (2.54)/.100 CENTERS.
- 2) STANDARD PACKAGING PER PK-70873-0001 SHALL BE USED.
- 3) SEE CHART FOR CIRCUIT SIZES, "A" AND "B" DIMENSIONS.
- 4) REFER TO PRODUCT SPECIFICATION NO.: PS-70430.
- 5) PARTS STACKABLE SIDE TO SIDE ON (2.54)/.100 CENTERS.



SECTION C-C



HOUSING MATERIAL: GLASS-FILLED, POLYESTER, 94V-0
TERMIANL MATERIAL: PHOSPHOR BRONZE
PLATING:
.000015 MINIMUM GOLD PLATE IN SELECT AREA
.000075 MINIMUM TIN PLATE IN SELECT AREA
BOTH OVER NICKEL UNDERPLATE OVERALL

CKT. SIZE	A	B
4	(7.62) .300	(10.13) .399
5	(10.16) .400	(12.67) .499
6	(12.70) .500	(15.21) .599
7	(15.24) .600	(17.75) .699
8	(17.78) .700	(20.29) .799
9	(20.32) .800	(22.83) .899
10	(22.86) .900	(25.37) .999
11	(25.40) 1.000	(27.91) 1.099
12	(27.94) 1.100	(30.45) 1.199
13	(30.48) 1.200	(32.99) 1.299
14	(33.02) 1.300	(35.53) 1.399
15	(35.56) 1.400	(38.07) 1.499
16	(38.10) 1.500	(40.61) 1.599
17	(40.64) 1.600	(43.15) 1.699
18	(43.18) 1.700	(45.69) 1.799
19	(45.72) 1.800	(48.23) 1.899
20	(48.26) 1.900	(50.77) 1.999
21	(50.80) 2.000	(53.31) 2.099
22	(53.34) 2.100	(55.85) 2.199
23	(55.88) 2.200	(58.39) 2.299
24	(58.42) 2.300	(60.93) 2.399
25	(60.96) 2.400	(63.47) 2.499

UPDT NOTES EC NO: UCP2013-1408 2012/10/10 2012/10/10 2012/10/25 DRWN: TIBARRA CHKD: DMORGAN APPR: SMILLER	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY TIBARRA	DATE 2012/10/10	TITLE ASSEMBLY, CONNECTOR F.F.C. MALE SINGLE ROW 2.54/.100 GRID W/ VOIDS molex	DOCUMENT NO. SDA-70456-0241-0288		SHEET NO. 1 OF 2	
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± .010	DMORGAN	2012/10/10					
			2 PLACES	± 0.25	± .014	APPROVED BY	DATE					
			1 PLACE	± 0.35	± ---	SMILLER	2012/10/25					
			0 PLACE	± ---	± ---	MATERIAL NO.						
			ANGULAR ±1/2°		SIZE C		SEE TABLE					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

		13	12	11	10	9	8	7	6	5		4	3	2	1	
J	CKT. SIZE															J
ODD CIRCUIT VOIDS							EVEN CIRCUIT VOIDS									
EDP NUMBER		ENG NUMBER	VOID LOCATIONS			EDP NUMBER	ENG NUMBER	VOID LOCATIONS								
2	NOT TOOLED	NOT TOOLED	N/A			NOT TOOLED	NOT TOOLED	N/A								
3	NOT TOOLED	NOT TOOLED	N/A			NOT TOOLED	NOT TOOLED	N/A								
I	4	NOT TOOLED	AX-70456-0243	1,3			NOT TOOLED	AX-70456-0267	2,4							
	5	015-38-6051	A-70456-0244	1,3,5			NOT TOOLED	AX-70456-0268	2,4							
	6	NOT TOOLED	AX-70456-0245	1,3,5			NOT TOOLED	AX-70456-0269	2,4,6							
	7	NOT TOOLED	AX-70456-0246	1,3,5,7			NOT TOOLED	AX-70456-0270	2,4,6							
	8	NOT TOOLED	AX-70456-0247	1,3,5,7			NOT TOOLED	AX-70456-0271	2,4,6,8							
H	9	NOT TOOLED	AX-70456-0248	1,3,5,7,9			NOT TOOLED	AX-70456-0272	2,4,6,8							
	10	NOT TOOLED	AX-70456-0249	1,3,5,7,9			NOT TOOLED	AX-70456-0273	2,4,6,8,10							
	11	NOT TOOLED	AX-70456-0250	1,3,5,7,9,11			NOT TOOLED	AX-70456-0274	2,4,6,8,10							
	12	NOT TOOLED	AX-70456-0251	1,3,5,7,9,11			NOT TOOLED	AX-70456-0275	2,4,6,8,10,12							
	13	NOT TOOLED	AX-70456-0252	1,3,5,7,9,11,13			NOT TOOLED	AX-70456-0276	2,4,6,8,10,12							
G	14	NOT TOOLED	AX-70456-0253	1,3,5,7,9,11,13			NOT TOOLED	AX-70456-0277	2,4,6,8,10,12,14							
	15	NOT TOOLED	AX-70456-0254	1,3,5,7,9,11,13,15			NOT TOOLED	AX-70456-0278	2,4,6,8,10,12,14							
	16	NOT TOOLED	AX-70456-0255	1,3,5,7,9,11,13,15			NOT TOOLED	AX-70456-0279	2,4,6,8,10,12,14,16							
	17	NOT TOOLED	AX-70456-0256	1,3,5,7,9,11,13,15,17			NOT TOOLED	AX-70456-0280	2,4,6,8,10,12,14,16							
	18	NOT TOOLED	AX-70456-0257	1,3,5,7,9,11,13,15,17			NOT TOOLED	AX-70456-0281	2,4,6,8,10,12,14,16,18							
	19	NOT TOOLED	AX-70456-0258	1,3,5,7,9,11,13,15,17,19			NOT TOOLED	AX-70456-0282	2,4,6,8,10,12,14,16,18							
F	20	NOT TOOLED	AX-70456-0259	1,3,5,7,9,11,13,15,17,19			NOT TOOLED	AX-70456-0283	2,4,6,8,10,12,14,16,18,20							
	21	NOT TOOLED	AX-70456-0260	1,3,5,7,9,11,13,15,17,19,21			NOT TOOLED	AX-70456-0284	2,4,6,8,10,12,14,16,18,20							
	22	NOT TOOLED	AX-70456-0261	1,3,5,7,9,11,13,15,17,19,21			NOT TOOLED	AX-70456-0285	2,4,6,8,10,12,14,16,18,20,22							
	23	NOT TOOLED	AX-70456-0262	1,3,5,7,9,11,13,15,17,19,21,23			NOT TOOLED	AX-70456-0286	2,4,6,8,10,12,14,16,18,20,22							
	24	NOT TOOLED	AX-70456-0263	1,3,5,7,9,11,13,15,17,19,21,23			NOT TOOLED	AX-70456-0287	2,4,6,8,10,12,14,16,18,20,22,24							
E	25	NOT TOOLED	AX-70456-0264	1,3,5,7,9,11,13,15,17,19,21,23,25			NOT TOOLED	AX-70456-0288	2,4,6,8,10,12,14,16,18,20,22,24							
D																D
C																C
B																B
A																A