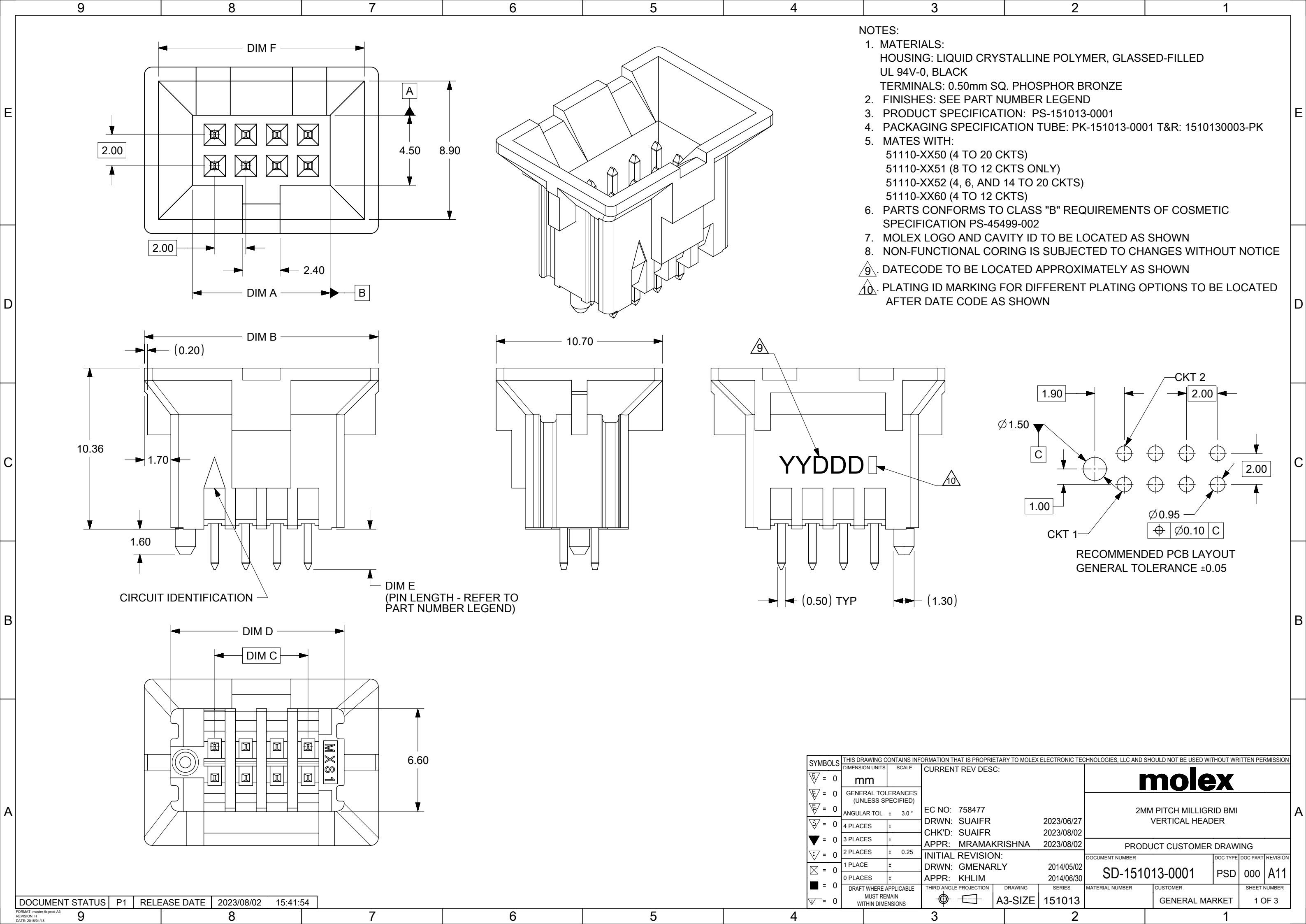




- NOTES:
- 1. MATERIALS:
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASSED-FILLED
UL 94V-0, BLACK
TERMINALS: 0.50mm SQ. PHOSPHOR BRONZE
 - 2. FINISHES: SEE PART NUMBER LEGEND
 - 3. PRODUCT SPECIFICATION: PS-151013-0001
 - 4. PACKAGING SPECIFICATION TUBE: PK-151013-0001 T&R: 1510130003-PK
 - 5. MATES WITH:
51110-XX50 (4 TO 20 CKTS)
51110-XX51 (8 TO 12 CKTS ONLY)
51110-XX52 (4, 6, AND 14 TO 20 CKTS)
51110-XX60 (4 TO 12 CKTS)
 - 6. PARTS CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
 - 7. MOLEX LOGO AND CAVITY ID TO BE LOCATED AS SHOWN
 - 8. NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE
 - 9. DATECODE TO BE LOCATED APPROXIMATELY AS SHOWN
 - 10. PLATING ID MARKING FOR DIFFERENT PLATING OPTIONS TO BE LOCATED AFTER DATE CODE AS SHOWN

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	= 0	DIMENSION UNITS	SCALE
	= 0	mm	
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	= 0	ANGULAR TOL	± 3.0 °
	= 0	4 PLACES	±
	= 0	3 PLACES	±
	= 0	2 PLACES	± 0.25
	= 0	1 PLACE	±
	= 0	0 PLACES	±
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	= 0	THIRD ANGLE PROJECTION	DRAWING
	= 0	A3-SIZE	SERIES
		CURRENT REV DESC:	
		EC NO: 758477	
		DRWN: SUAIFR 2023/06/27	
		CHK'D: SUAIFR 2023/08/02	
		APPR: MRAMAKRISHNA 2023/08/02	
		INITIAL REVISION:	
		DRWN: GMENARLY 2014/05/02	
		APPR: KHLIM 2014/06/30	
		DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
		SD-151013-0001	PSD 000 A11
		MATERIAL NUMBER	CUSTOMER
			GENERAL MARKET
		SHEET NUMBER	
		1 OF 3	

molex

2MM PITCH MILLIGRID BMI
VERTICAL HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
SD-151013-0001

DOC TYPE
PSD

DOC PART
000

REVISION
A11

MATERIAL NUMBER
CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 3

PART NUMBER LEGEND

151013-X X Y Y

PLATING OPTIONS:

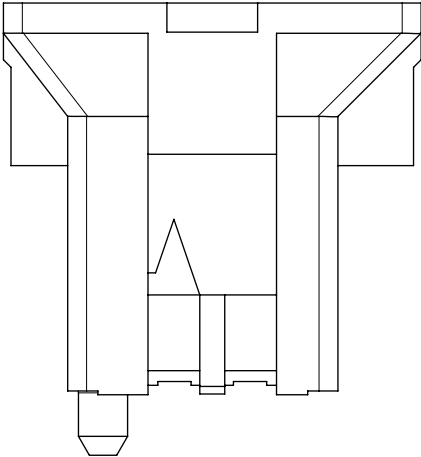
DIM E - PIN LENGTHS:

- 0: 2.60mm
- 1: 4.00mm
- 2: 3.00mm
- 3: 3.50mm
- 4: 4.50mm
- 5: 2.10mm

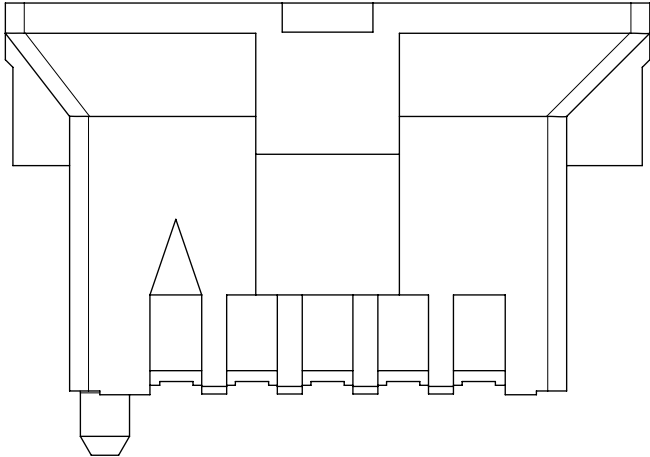
04 - 20	04 - 20 CKT IN TUBE
64 - 80	64 - 80 CKT IN T&R WITHOUT KAPTON TAPE
	64 = 04CKT
	66 = 06CKT
	-
	-
	-
	78 = 18CKT
	80 = 20CKT
84 - 98	84 - 98 CKT IN T&R WITH KAPTON TAPE
	84 = 04CKT
	86 = 06CKT
	-
	-
	-
	98 = 18CKT
	00 = 20CKT

ASSEMBLY PART NUMBER	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F
151013-XX04	4	4.85	11.05	2.00	7.15	9.25
151013-XX06	6	6.85	13.05	4.00	9.15	11.25
151013-XX08	8	8.85	15.05	6.00	11.15	13.25
151013-XX10	10	10.85	17.05	8.00	13.15	15.25
151013-XX12	12	12.85	19.05	10.00	15.15	17.25
151013-XX14	14	14.85	21.05	12.00	17.15	19.25
151013-XX16	16	16.85	23.05	14.00	19.15	21.25
151013-XX18	18	18.85	25.05	16.00	21.15	23.25
151013-XX20	20	20.85	27.05	18.00	23.15	25.25

CIRCUIT IDENTIFICATION ON HOUSING



FOR 4 & 6 CIRCUITS



FOR 8 TO 20 CIRCUITS

PLATING THICKNESS	PLATING ID MARK
2 OR 6: 0.76µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	
3: 0.38µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	/
4: 0.05µm MIN. GOLD FLASH ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	<
5: 2.50µm MIN. MATTE TIN ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	

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 ▽ = 0 ▽ = 0 ▽ = 0		DIMENSION UNITS		SCALE		CURRENT REV DESC:				molex 2MM PITCH MILLIGRID BMI VERTICAL HEADER									
		mm																	
		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 758477 DRWN: SUAIFR 2023/06/27 CHK'D: SUAIFR 2023/08/02 APPR: MRAMAKRISHNA 2023/08/02													
		ANGULAR TOL ± 3.0 °																	
		4 PLACES ±				INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30				PRODUCT CUSTOMER DRAWING									
		3 PLACES ±																	
		2 PLACES ± 0.25																	
		1 PLACE ±																	
		0 PLACES ±																	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
								A3-SIZE		151013		SD-151013-0001		PSD		000		A11	
												MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
												SEE TABLE		GENERAL MARKET		2 OF 3			

A

B

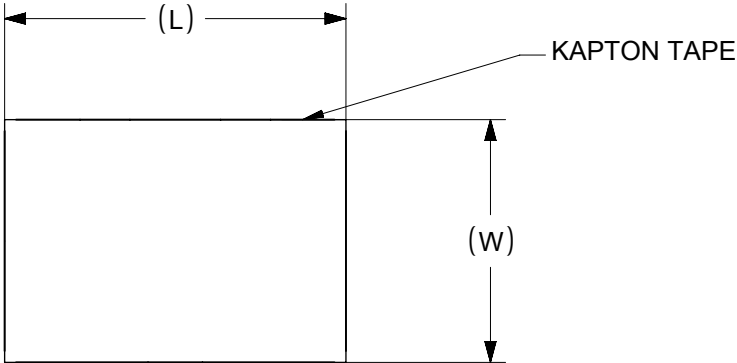
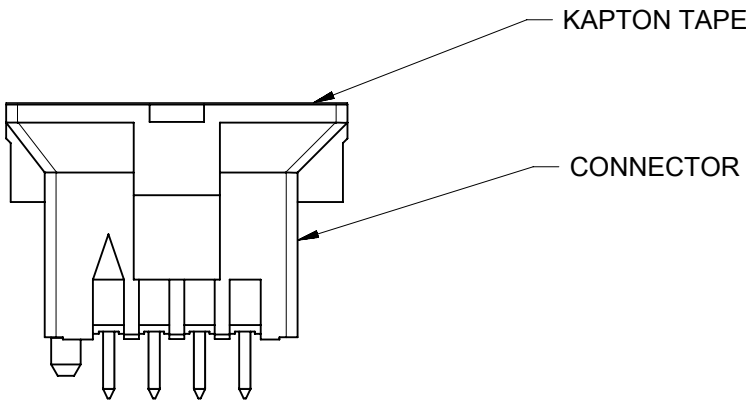
C

D

E

F

PART WITH KAPTON TAPE
8CKT SHOWN FOR ILLUSTRATION ONLY



A11

ASSEMBLY PART NUMBER TUBE	ASSEMBLY PART NUMBER TAPE & REEL	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F	KAPTON TAPE
----	151013-3588	08	8.85	15.05	6.00	11.15	13.25	YES
----	151013-2092	12	12.85	19.05	10.00	15.15	17.25	YES
----	151013-2096	16	16.85	23.05	14.00	19.15	21.25	YES
----	151013-2076	16	16.85	23.05	14.00	19.15	21.25	NO
151013-3020	----	20	20.85	27.05	18.00	23.15	25.25	NO
151013-3520	151013-3580	20	20.85	27.05	18.00	23.15	25.25	NO
151013-2520	151013-2500	20	20.85	27.05	18.00	23.15	25.25	YES
	151013-2580	20	20.85	27.05	18.00	23.15	25.25	NO
151013-2220	151013-2200	20	20.85	27.05	18.00	23.15	25.25	YES

NOTE:
IN TABLE HIGHLIGHTED F.G PART FOLLOWS PART LEGENDS FOR LENOVO & INTEL

ASSEMBLY PART NUMBER TUBE	CKT SIZE	DIM A	DIM B	DIM C	DIM D PIN LENGTH	KAPTON TAPE
151013-6508	08	8.85	15.05	6.00	2.1	YES

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
	DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 758477 DRWN: SUAIFR 2023/06/27 CHK'D: SUAIFR 2023/08/02 APPR: MRAMAKRISHNA 2023/08/02 INITIAL REVISION: DRWN: GMENARLY 2014/05/02 APPR: KHLIM 2014/06/30				molex 2MM PITCH MILLIGRID BMI VERTICAL HEADER											
	mm												PRODUCT CUSTOMER DRAWING							
	GENERAL TOLERANCES (UNLESS SPECIFIED)																DOCUMENT NUMBER SD-151013-0001			
	ANGULAR TOL ± 3.0 °																			
	4 PLACES		±						DOC PART 000											
	3 PLACES		±										REVISION A11							
	2 PLACES		± 0.25						MATERIAL NUMBER SEE CHART											
	1 PLACE		±										CUSTOMER GENERAL MARKET							
	0 PLACES		±						SHEET NUMBER 3 OF 3											
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												THIRD ANGLE PROJECTION				DRAWING A3-SIZE		SERIES 151013	

A

B

C

D

E

F