

NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR-BLACK.
- 3) COMPATIBLE WITH PCB HOLE PATTERN.
- 4) FOR (0.635)/.025 SQ. MALE PINS THE LENGTH MUST BE (5.65)/.222 MIN & (7.00)/.276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.

6	AF
5	AD
4	AD
3	AD
2	AG
1	AH

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: MIGRATED				molex	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440		C-GRID III DUAL ROW		VERTICAL P.C. BOARD CONNECTOR	
4 PLACES ±		MM		DRWN: MKP		2019/04/10		PRODUCT CUSTOMER DRAWING	
3 PLACES ±		INCH		CHK'D: NMANE02		2019/04/12		DOCUMENT NUMBER	
2 PLACES ±		0.05		APPR: MRAMAKRISHNA		2019/04/12		SDA-90151	
1 PLACE ±		0.1		INITIAL REVISION:		21/07/86		DOC TYPE	
0 PLACES ±				DRWN: DB				PSD	
ANGULAR TOL ± °				APPR:				001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				A3-SIZE		90151		MATERIAL NUMBER	
				SEE TABLE		GENERAL MARKET		CUSTOMER	
								SHEET NUMBER	
								1 OF 6	

10
PART NO. SEE CHART
SDA-90151
DWG. NO.

PART NO. STRAIGHT PINS	PART NO. KINKED PINS	NO. OF CKTS.	DIM. " A "	DIM. " B " (^{+0.00})- _{0.30} ^{+0.000} - _{.012}	QTY. PER TUBE
90151-2X04	90151-3X04	4	(2.54) .100	(5.08) .200	105
↑ ↑ 06	↑ ↑ 06	6	(5.08) .200	(7.62) .300	72
08	08	8	(7.62) .300	(10.16) .400	52
10	10	10	(10.16) .400	(12.70) .500	44
12	12	12	(12.70) .500	(15.24) .600	36
14	14	14	(15.24) .600	(17.78) .700	30
16	16	16	(17.78) .700	(20.32) .800	26
18	18	18	(20.32) .800	(22.86) .900	24
20	20	20	(22.86) .900	(25.40) 1.000	22
22	22	22	(25.40) 1.000	(27.94) 1.100	20
24	24	24	(27.94) 1.100	(30.48) 1.200	18
26	26	26	(30.48) 1.200	(33.02) 1.300	16
28	28	28	(33.02) 1.300	(35.56) 1.400	14
30	30	30	(35.56) 1.400	(38.10) 1.500	14
32	32	32	(38.10) 1.500	(40.64) 1.600	13
34	34	34	(40.64) 1.600	(43.18) 1.700	12
36	36	36	(43.18) 1.700	(45.72) 1.800	12
38	38	38	(45.72) 1.800	(48.26) 1.900	11
40	40	40	(48.26) 1.900	(50.80) 2.000	11
42	42	42	(50.80) 2.000	(53.34) 2.100	11
44	44	44	(53.34) 2.100	(55.88) 2.200	10
46	46	46	(55.88) 2.200	(58.42) 2.300	10
48	48	48	(58.42) 2.300	(60.96) 2.400	9
50	50	50	(60.96) 2.400	(63.50) 2.500	8
52	52	52	(63.50) 2.500	(66.04) 2.600	8
54	54	54	(66.04) 2.600	(68.58) 2.700	8
56	56	56	(68.58) 2.700	(71.12) 2.800	7
58	58	58	(71.12) 2.800	(73.66) 2.900	7
60	60	60	(73.66) 2.900	(76.20) 3.000	7
↓ ↓ 62	↓ ↓ 62	62	(76.20) 3.000	(78.74) 3.100	7
90151-2X64	90151-3X64	64	(78.74) 3.100	(81.28) 3.200	6

PLATING VERSION A

PRE-PLATED HOT DIP TIN
1.0 TO 2.5 um (.000040" TO .000100").

PLATING VERSION E

1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.38 TO 0.64 um (.000015" TO .000025")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.

1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 1.0 um (.000030" TO .000040")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION G.

1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.125 um MIN. (.000005" MIN.) GOLD FLASH
ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION N.

1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 2.6 um (.000030" TO .000100")
GOLD ON CONTACT AREA (OVER NICKEL).
4 um (.000120") MINIMUM TIN
ON SOLDER TAILS (OVER NICKEL).

STANDARD PRODUCTS

90151-XXYY

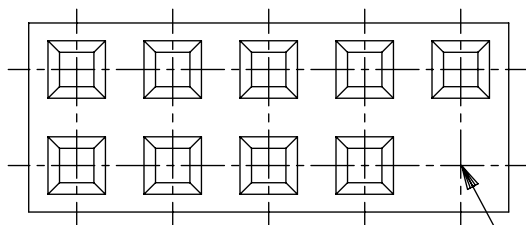
INDICATES NO. OF CIRCUITS.

- PLATING CODE.
- 1 = VERSION A.
 - 2 = VERSION E.
 - 3 = VERSION F.
 - 4 = VERSION N.
 - 5 = VERSION G.

SEE CHART

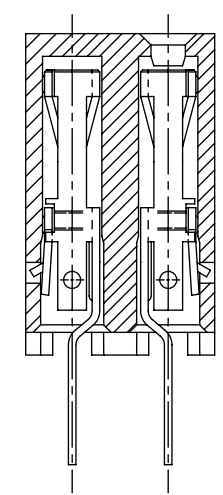
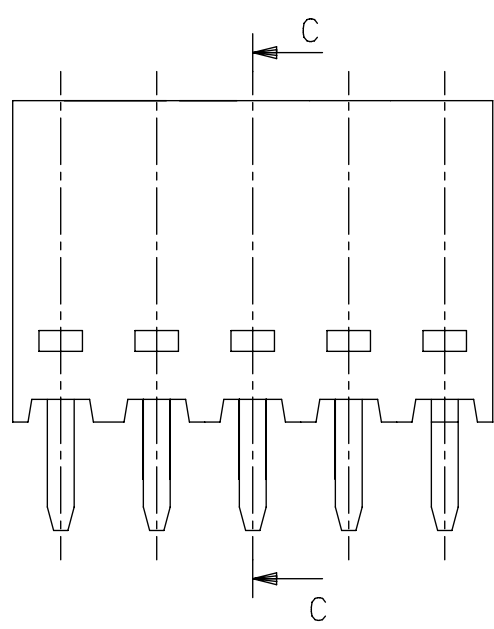
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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED				molex	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440		C-GRID III DUAL ROW		VERTICAL P.C. BOARD CONNECTOR	
4 PLACES ±		MM		DRWN: MKP		2019/04/10			
3 PLACES ±		INCH		CHK'D: NMANE02		2019/04/12			
2 PLACES ±		0.05		APPR: MRAMAKRISHNA		2019/04/12		PRODUCT CUSTOMER DRAWING	
1 PLACE ±		0.1		INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE DOC PART REVISION	
0 PLACES ±				DRWN: DB		21/07/86		SDA-90151 PSD 001 AJ	
ANGULAR TOL ± °				APPR:		MATERIAL NUMBER		CUSTOMER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
				A3-SIZE		90151		SEE TABLE GENERAL MARKET 2 OF 6	

SEE CHART
SDA-90151



90151-XXYY
INDICATES NO. OF CIRCUITS.
PLATING CODE.
41 = VERSION A.
42 = VERSION E.
43 = VERSION N.
44 = VERSION F.

TYPICAL POSITION VOID



SECTION C-C

PART NUMBER	CKT. SIZE	PIN VOID	QTY. PER TUBE
90151-4424	2 X 12	5	36
90151-4114	2 X 7	1,13.	55
90151-4340	2 X 20	2,4,6,8,12,13,15,16,23 24,26,27,28,30,33, 34,35,36,37,38,40.	11
90151-4322	2 X 11	1,4,5,6,7,8,9,10,11,14 15,16,17,18,19,20,21.	20
90151-4206	2 X 3	3,4	72
90151-4420	2 x 10	1	22

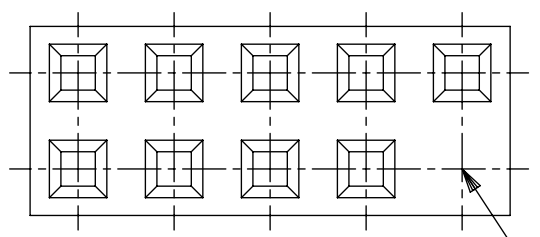
NOTES

- 1) FOR DIMENSIONS SEE SHEET 1.
- 2) FOR PLATING CODE DEFINITIONS SEE SHEET 2.

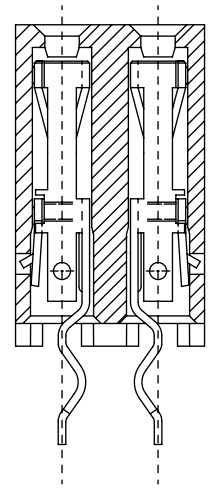
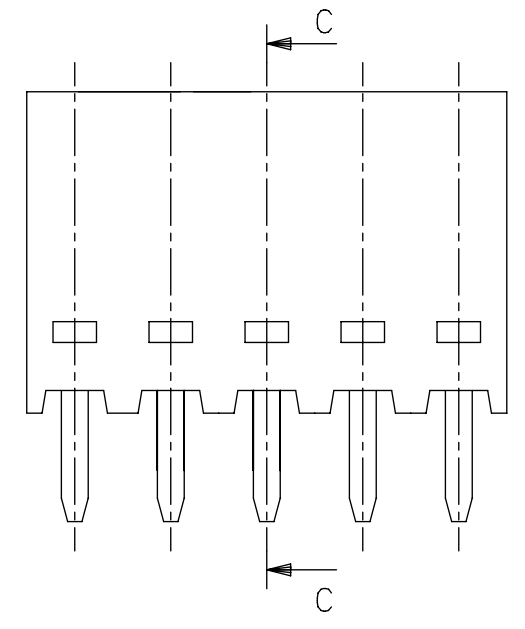
NON-STANDARD PRODUCTS

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DIMENSION UNITS mm		SCALE 1:1		CURRENT REV DESC: MIGRATED				molex	
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440					
				DRWN: MKP		2019/04/10		C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR	
4 PLACES ±		±		CHK'D: NMANE02		2019/04/12		PRODUCT CUSTOMER DRAWING	
3 PLACES ±		±		APPR: MRAMAKRISHNA		2019/04/12		DOCUMENT NUMBER	
2 PLACES ±		0.05 ±		INITIAL REVISION:				SDA-90151	
1 PLACE ±		0.1 ±		DRWN: DB		21/07/86		DOC TYPE DOC PART REVISION	
0 PLACES ±		±		APPR:				PSD 001 AJ	
ANGULAR TOL ± °		± °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING SERIES	
				A3-SIZE		90151		MATERIAL NUMBER CUSTOMER SHEET NUMBER	
				SEE TABLE		GENERAL MARKET		3 OF 6	

PART NO. SEE CHART
 DWG. NO. SDA-90151



TYPICAL VOID SHOWN



SECTION C-C

PART NO.	CKT SIZE	CONTACT VOIDS	MOULDING COLOUR	PLATING TYPE	QTY. PER TUBE
90151-9216	2 X 8	1, 2, 15, 16	WHITE	E	26

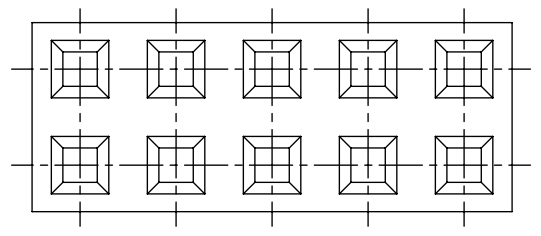
NOTES

1) FOR ALL UNSTATED NOTES AND DIMENSIONS SEE SHEET 1.

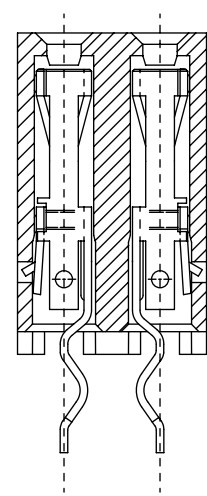
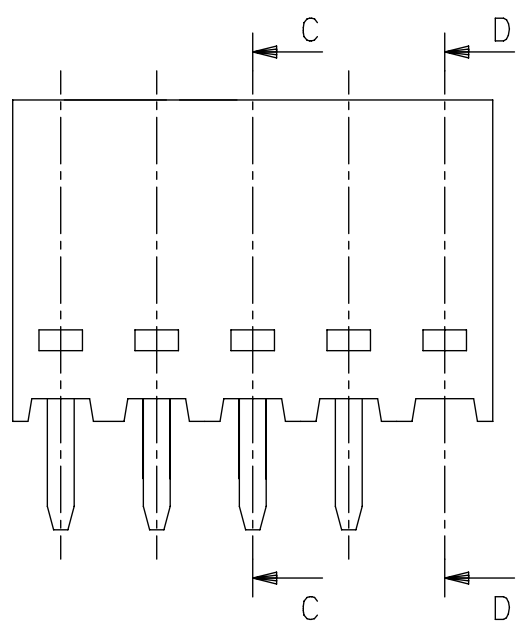
NON STANDARD PRODUCTS

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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED							
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440				C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR			
				DRWN: MKP 2019/04/10							
				CHK'D: NMANE02 2019/04/12				PRODUCT CUSTOMER DRAWING			
				APPR: MRAMAKRISHNA 2019/04/12							
4 PLACES ±				INITIAL REVISION:				DOCUMENT NUMBER			
3 PLACES ±				DRWN: DB 21/07/86				SDA-90151			
2 PLACES ± 0.05 ±				APPR:				PSD 001 AJ			
1 PLACE ± 0.1 ±								MATERIAL NUMBER			
0 PLACES ±								SEE TABLE			
ANGULAR TOL ± °								CUSTOMER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		SHEET NUMBER	
						A3-SIZE		90151		4 OF 6	

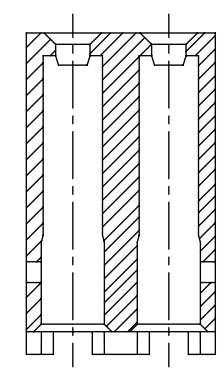
PART NO. SEE CHART
 DWG. NO. SDA-90151



PART NO.	CKT SIZE	CONTACT VOID POSITIONS	MOULDING COLOUR	PLATING TYPE	QTY. PER TUBE
90151-8164	2 X32	1, 2, 63, 64	BLACK	E	12
90151-8138	2 X19	1, 2, 37, 38	BLACK	E	22
90151-8124	2 X12	1, 2, 23, 24	BLACK	E	18
90151-8114	2 X 7	1, 2, 13, 14	BLACK	E	73



SECTION C-C
(LOADED CONTACTS)



SECTION D-D
(CONTACTS REMOVED FOR VOID POSITIONS)

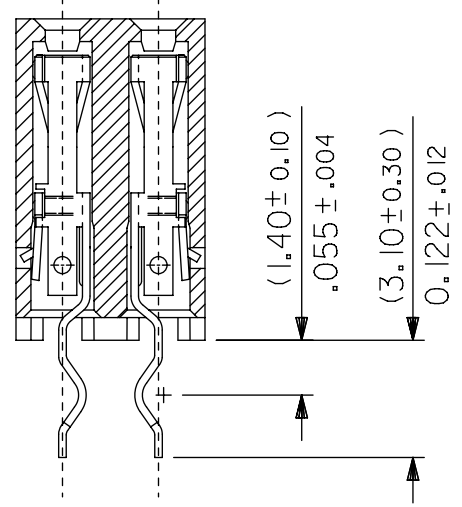
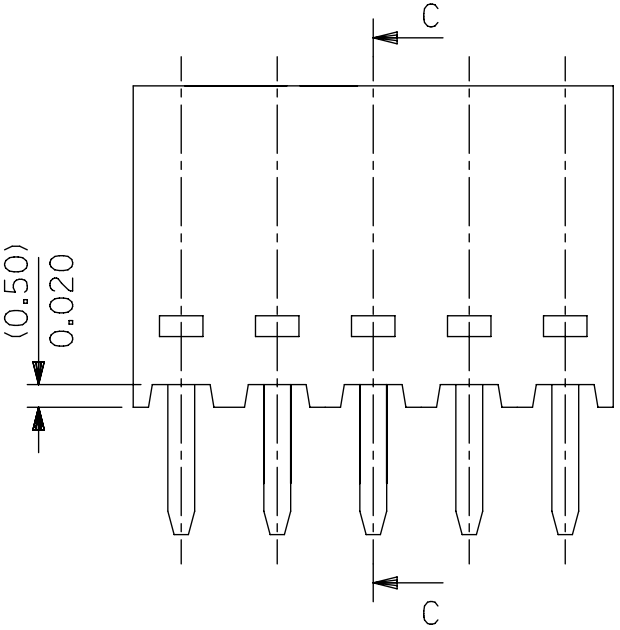
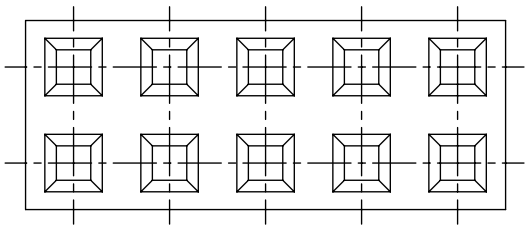
NOTES

1) FOR ALL UNSTATED NOTES AND DIMENSIONS SEE SHEET 1.

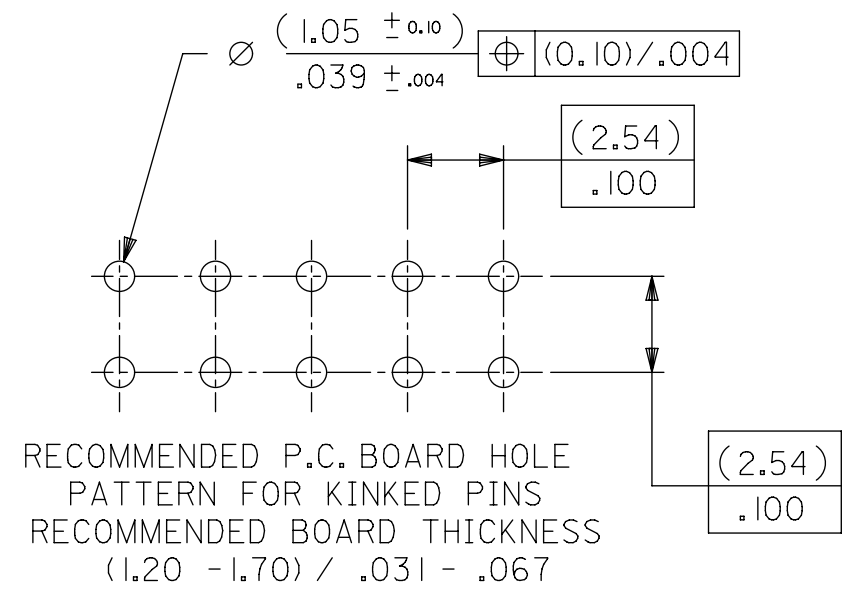
NON STANDARD PRODUCTS

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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED						molex	
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440		2019/04/10		C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR			
				DRWN: MKP		2019/04/12					
				CHK'D: NMANE02		2019/04/12		PRODUCT CUSTOMER DRAWING			
				APPR: MRAMAKRISHNA		2019/04/12					
				INITIAL REVISION:				DOCUMENT NUMBER: SDA-90151			
				DRWN: DB 21/07/86							
				APPR:				DOC TYPE: PSD		DOC PART: 001	
								REVISION: AJ			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING: A3-SIZE		SERIES: 90151		MATERIAL NUMBER: SEE TABLE	
								CUSTOMER: GENERAL MARKET		SHEET NUMBER: 5 OF 6	

PART NO. SEE CHART
 DWG. NO. SDA-90151



SECTION C-C



PART No.	CKT SIZE	MOULDING COLOUR	QUANTITY PER TUBE	PLATING VERSION
90151-5238	38	BLACK	11	E

NOTES
 1) FOR ALL UNSTATED NOTES AND DIMENSIONS SEE SHEET 1.

NON STANDARD PRODUCT

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DIMENSION UNITS		SCALE		CURRENT REV DESC: MIGRATED				molex	
mm		1:1							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 615440		C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR			
		MM	INCH	DRWN: MKP 2019/04/10					
4 PLACES ±				CHK'D: NMANE02 2019/04/12					
3 PLACES ±				APPR: MRAMAKRISHNA 2019/04/12					
2 PLACES ±		0.05		INITIAL REVISION:		PRODUCT CUSTOMER DRAWING			
1 PLACE ±		0.1		DRWN: DB 21/07/86		DOCUMENT NUMBER		DOC TYPE	DOC PART
0 PLACES ±				APPR:		SDA-90151		PSD	001
ANGULAR TOL ± °						MATERIAL NUMBER		CUSTOMER	REVISION
				THIRD ANGLE PROJECTION		SEE TABLE		GENERAL MARKET	AJ
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING A3-SIZE		SERIES 90151		SHEET NUMBER 6 OF 6	

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