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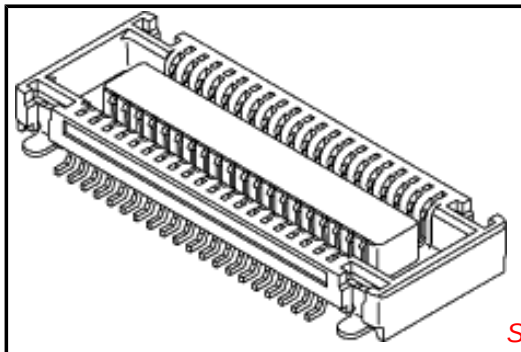
This document was generated on 04/16/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0543630589

Status: Active

Description: 0.50mm (.020") Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 2.00 and 3.00mm (.079 and .118") Stacking Heights, with Solder Tabs, 50 Circuits, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-54363-046 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	54363
Application	Board-to-Board
Product Name	SlimStack™

Physical

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Mated Height (in)	0.079 In
Mated Height (mm)	2.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.000 In
PC Tail Length (mm)	0.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.000 In
PCB Thickness Recommended (mm)	0.00 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.020 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V AC (RMS)/DC

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
54363Series

Mates With
55650 PCB Header

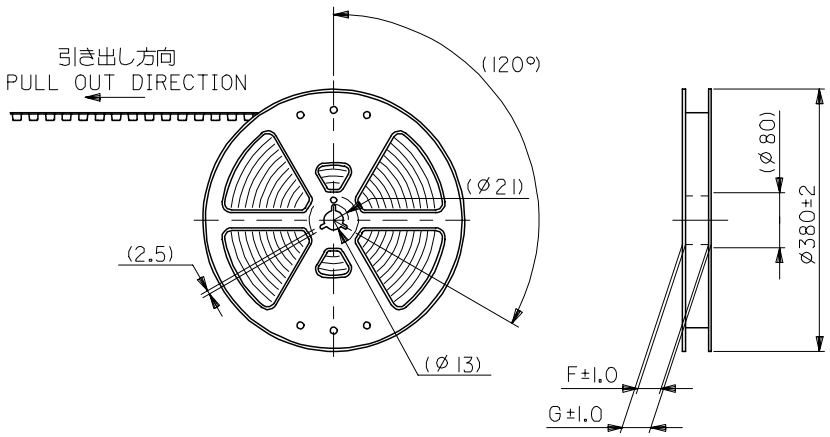
Material Info

Reference - Drawing Numbers

Product Specification	PS-54363-046
Sales Drawing	SD-54363-049, SD-54363-050

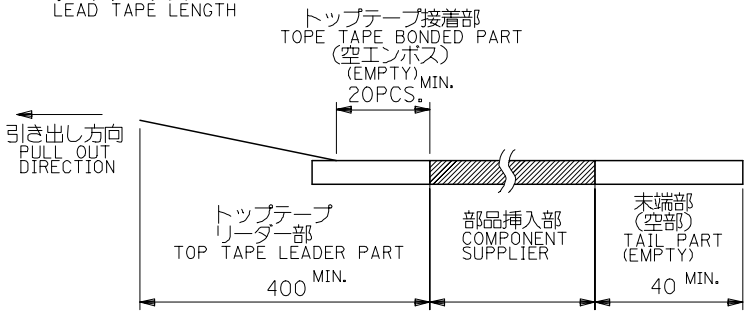
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



注)
NOTES

1. 製品番号54363-**81詳細寸法については、製品単体図面を参照下さい。
IN THE PACKAGE PART NUMBER 54363-**81 DETAILED DIMENSIONS, SEE SALES DRAWING FOR CONNECTOR.
2. 梱包数量：2500個/リール
NUMBER OF CONNECTORS:2500 PCS/REEL.
3. リードテープ長さ
LEAD TAPE LENGTH



4. 材料
MATERIAL
キャリアテープ：ポリプロピレン（PP）
CARRIER TAPE:POLYPROPYLENE(PP)
トップテープ：PET，PE，PEF
TOP TAPE:PET,PE,PEF
リール：ポリスチレン
REEL : POLYSTYRENE

G	F	E キャリアテープ幅 CARRIER TAPE WIDTH	D	(C)	(B)	(A)	製品番号 MATERIAL NO.	極数 CIRCUITS	量産対応 AVAILABLE
61.4	57.4	56±0.3	52.4	44.2	26.2	40.55	54363-1689	160	—
				39.2		35.55	54363-1489	140	○
				34.2		30.55	54363-1289	120	○
49.4	45.4	44±0.3	40.4	31.7	20.2	28.05	54363-1189	110	○
				29.2		25.55	54363-1089	100	○
				26.7		23.05	54363-0989	90	—
				24.2		20.55	54363-0889	80	○
37.4	33.4	32±0.3	28.4	21.7	14.2	18.05	54363-0789	70	○
				19.2		15.55	54363-0689	60	○
29.4	25.4	24±0.3	— "	16.7	11.5	13.05	54363-0589	50	○
				14.2		10.55	54363-0489	40	○
				11.7		8.05	54363-0389	30	○
21.4	17.4	16±0.3	— "	9.2	7.5	5.55	54363-0289	20	○

REVISED
EC NO: J2007-1632 2006/12/05
DRWN:MNABEI 2006/12/06
CHKD:KTOYODA 2006/12/07
APPR:NUKITA
DESCRIPTION
REV A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: Y.AOYAGI DATE: 2006/11/08
CHECKED BY: K.TOYODA DATE: 2006/11/08
APPROVED BY: N.UKITA DATE: 2006/11/08
MATERIAL NO.: SEE CHART

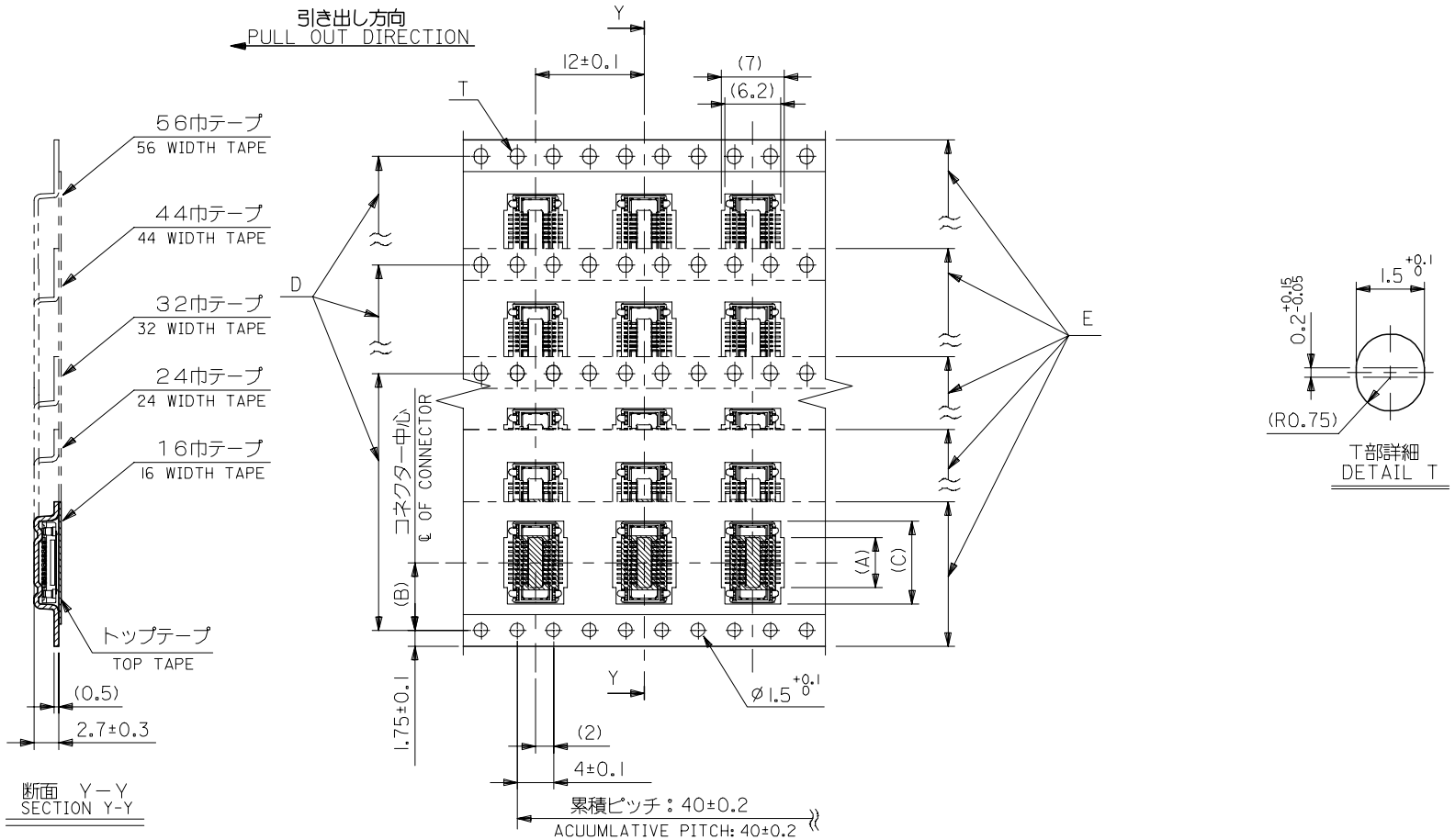
TITLE: EMBOSSED TAPE PACKAGE FOR 54363-**81

MOLEX INCORPORATED

DOCUMENT NO.: SD-54363-049
SHEET NO.: 1 OF 2

SIZE A3

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



REVISED				REV	DESCRIPTION
EC NO: J2007-1632	2006/12/05				
DRWN:MNABEI	2006/12/06				
CHKD:KTOYODA	2006/12/07				
APPR:NUKITA					
A					

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: Y.AOYAGI	DATE: 2006/11/08		
CHECKED BY: K.TOYODA	DATE: 2006/11/08		
APPROVED BY: N.UKITA	DATE: 2006/11/08		
MATERIAL NO.: SEE SHEET 1			

TITLE: EMBOSSED TAPE PACKAGE FOR 54363-**81

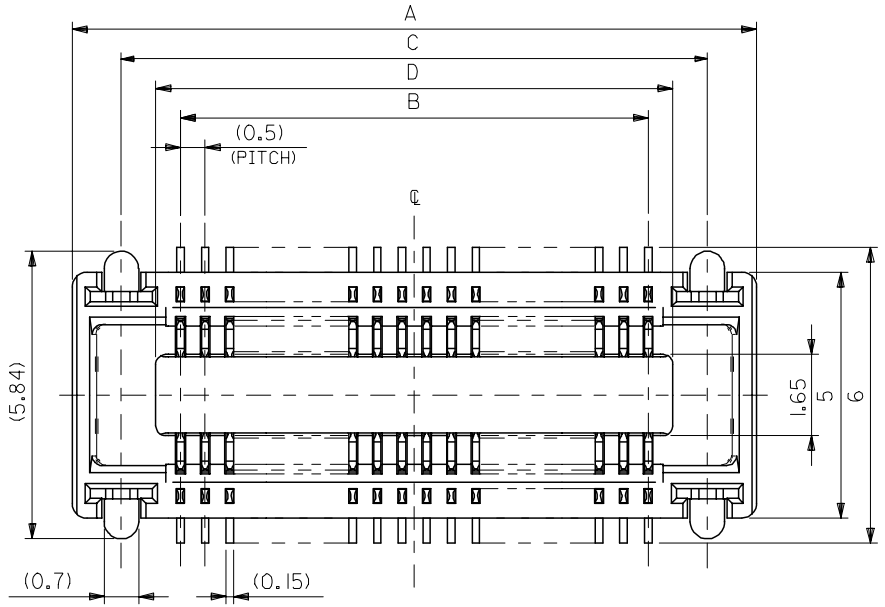
MOLEX INCORPORATED

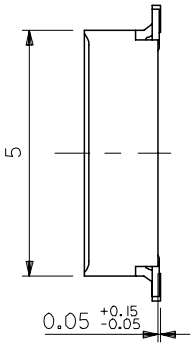
DOCUMENT NO.: SD-54363-049

SHEET NO.: 2 OF 2

SIZE: A3

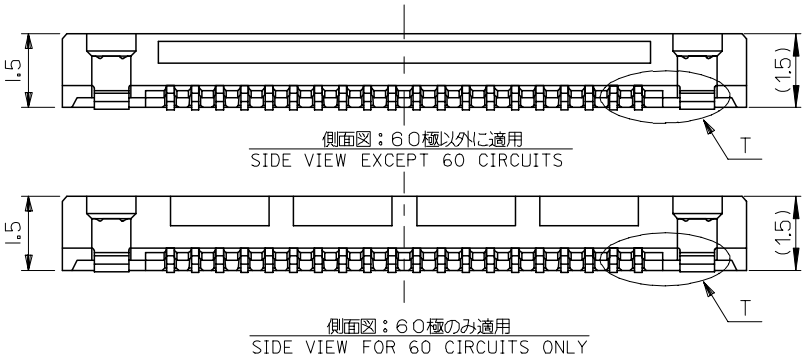
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注記
NOTES:

1. 材質
   MATERIAL
   ハウジング：ＬＣＰ（液晶ポリマー）、ガラス充填、黒色、ＵＬ９４Ｖ－０
   HOUSING:LCP(LIQUID CRYSTAL POLYMER),GLASS FILLED,BLACK,UL94V-0
   ターミナル：銅合金（ｔ＝０．１５）
   TERMINAL:COPPER ALLOY(t=0.15)
   ネイル：銅合金（ｔ＝０．２）
   NAIL:COPPER ALLOY(t=0.2)
2. メッキ仕様
   PLATING
   ターミナル
   TERMIAL
   接点部：金メッキ　０．２５マイクロメートル以上
   CONTACT AREA:GOLD 0.25 MICROMETER MINIMUM
   半田付け部：金メッキ　０．４マイクロメートル以下
   SOLDER TAIL AREA:GOLD 0.4 MICROMETER MAXMUM
   下地メッキ：ニッケルメッキ　１．５マイクロメートル以上
   UNDER PLATING:NICKEL 1.5 MICROMETER MINIMUM
   ネイル
   NAIL
   錫メッキ　３．０マイクロメートル以上
   TIN 3.0 MICROMETER MINIMUM
   下地メッキ：ニッケルメッキ１．０マイクロメートル以上
   UNDER PLATING:NICKEL 1.0 MICROMETER MINIMUM
3. テール平坦度は、０．０８ミリメートル以下。テールとネイルを併せた平坦度は、０．１ミリメートル以下。
   TAIL COPLANARITY TO BE 0.08 MAXMUM. TAILS AND NAILS COPLANARITY TO BE 0.1 MAXMUM.
4. 嵌合相手：５５２０１－＊＊＊＊、５５６５０－＊＊＊＊（Ｈ＝2mm）
   MATED CONN.:55201-****,55650-****(H=2mm)
5. 本製品は、54363-**71（エンボス梱包品　54363-**78）のニッケルバリア品である．
   THIS PRODUCTE IS 'NICKEL BARRIER' OF 54363-**71,(EMBOSSED TAPE PKG 54363-**78).



D	C	B	A	エンボス梱包品 EMBOSSED TAPE PACKAGING	製品番号 MATERIAL NO.	極数 CIRCUITS	量産対応 AVAILABLE
40.5	41.9	39.5	43.9	54363-1689	54363-1681	160	—
35.5	36.9	34.5	38.9	54363-1489	54363-1481	140	○
30.5	31.9	29.5	33.9	54363-1289	54363-1281	120	○
28	29.4	27	31.4	54363-1189	54363-1181	110	○
25.5	26.9	24.5	28.9	54363-1089	54363-1081	100	○
23	24.4	22	26.4	54363-0989	54363-0981	90	—
20.5	21.9	19.5	23.9	54363-0889	54363-0881	80	○
18	19.4	17	21.4	54363-0789	54363-0781	70	○
15.5	16.9	14.5	18.9	54363-0689	54363-0681	60	○
13	14.4	12	16.4	54363-0589	54363-0581	50	○
10.5	11.9	9.5	13.9	54363-0489	54363-0481	40	○
8	9.4	7	11.4	54363-0389	54363-0381	30	○
5.5	6.9	4.5	8.9	54363-0289	54363-0281	20	○

REVISED
EC NO: J2008-1106 2007/10/04
DRWN:YAOYAGI 2007/10/05
CHKD:KTOYODA 2007/10/05
APPR:NUKITA
DESCRIPTION
REV B

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: Y.AOYAGI DATE: 2006/11/08
CHECKED BY: K.TOYODA DATE: 2006/11/08
APPROVED BY: N.UKITA DATE: 2006/11/08
MATERIAL NO.: SEE CHART

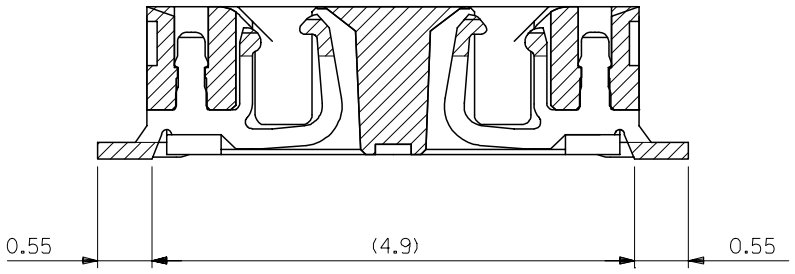
TITLE: 0.5 MM PITCH B/B CONN. WITH FITTING NAIL -LEAD FREE-

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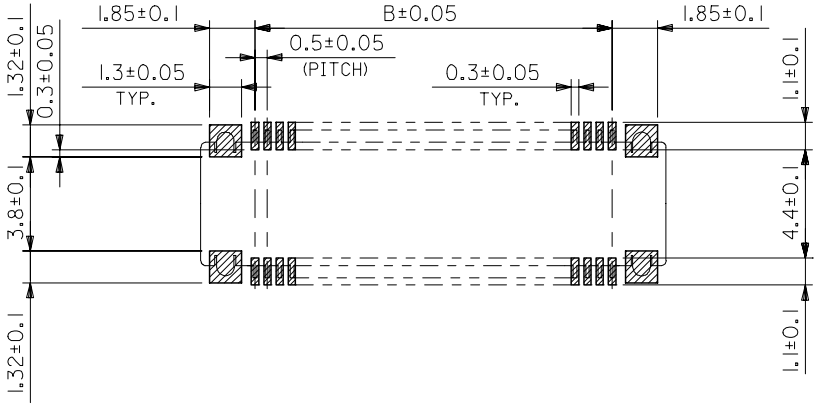
DOCUMENT NO.: SD-54363-050
SHEET NO.: 1 OF 2

SIZE A3

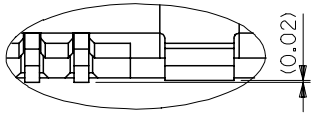
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半田付け部詳細図
DETAIL FOR SOLDERING AREA



推奨基板寸法
RECOMMENDED PCB PATTERN LAYOUT
(SCALE 5:1)



T部詳細
DETAIL T

REVISED				
EC NO: J2008-1106				
DRWN:YAOYAGI	2007/10/04			
CHKD:KTOYODA	2007/10/05			
APPR:NUKITA	2007/10/05			
B		REV		

GENERAL TOLERANCES (UNLESS SPECIFIED)	
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 10:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: Y.AOYAGI	DATE: 2006/11/08	TITLE: 0.5 MM PITCH B/B CONN. WITH FITTING NAIL -LEAD FREE-	
CHECKED BY: K.TOYODA	DATE: 2006/11/08		
APPROVED BY: N.UKITA	DATE: 2006/11/08	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE SHEET 1		DOCUMENT NO.: SD-54363-050	SHEET NO.: 2 OF 2
SIZE: A3			

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