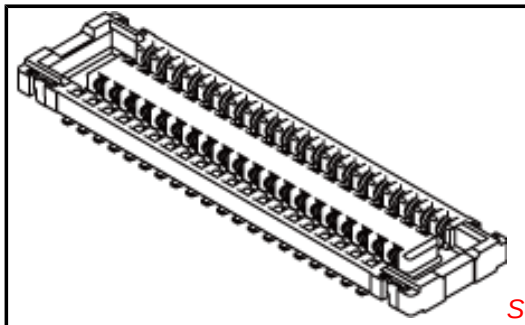
This document was generated on 05/25/2010

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Part Number: 5033042610
Status: Active
Overview: slimstack_mm016_pitch
Description: 0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical, 0.70mm (.028") Stacking Height, 26 Circuits



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-503304-001 (PDF)

General

Product Family	PCB Receptacles
Series	503304
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™

Physical

Circuits (Loaded)	26
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.028 In
Mated Height (mm)	0.70 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-503304-001
Packaging Specification	SPK-503304-001
Product Specification	PS-503304-001, RPS-503304-002
Sales Drawing	SD-503304-001, SD-503304-002

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

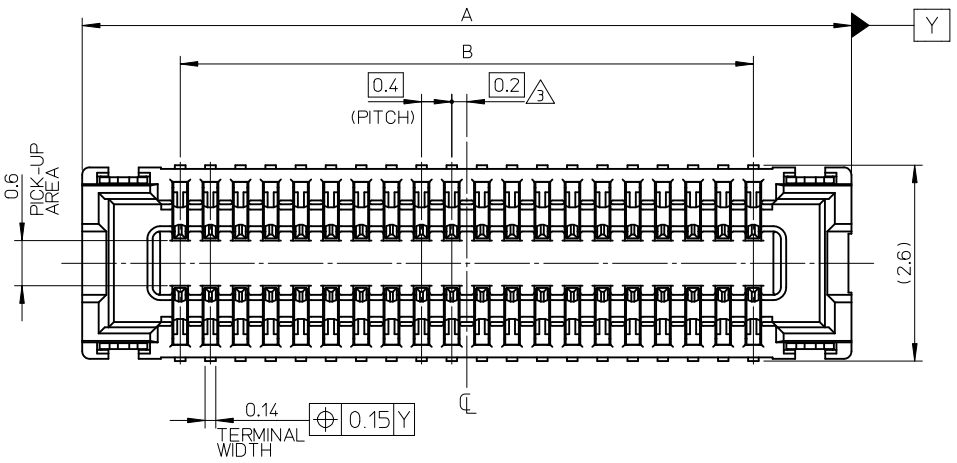
Please visit the Contact Us section for any non-product compliance questions.

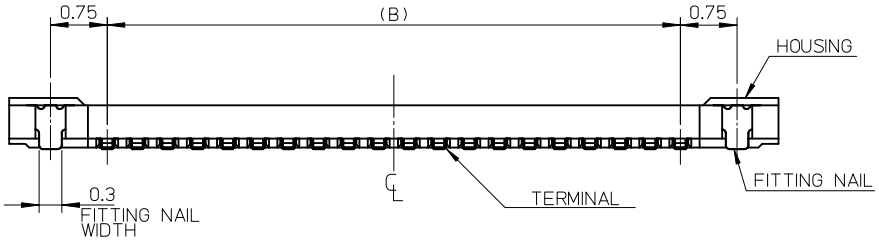
Search Parts in this Series
503304Series

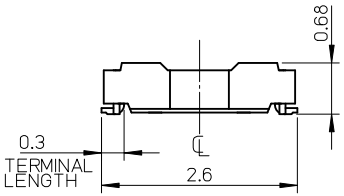
Mates With
503308 PCB Header

This document was generated on 05/25/2010

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注記 NOTES

1. 使用材料 MATERIAL
   ハウジング ：液晶ポリマー (LCP) UL94V-0 (黒)
   HOUSING:LIQUID CRYSTAL POLYMER UL94V-0 (COLOR:BLACK)
   ターミナル ：銅合金
   TERMINAL : COPPER ALLOY
   金具：銅合金
   FITTING NAIL : COPPER ALLOY
2. メッキ仕様 PLATING
   ターミナル TERMINAL
   金メッキ
   GOLD
   下地メッキ：ニッケルメッキ
   UNDER PLATING : NICKEL
   ※コンタクト部とテール部はニッケルメッキによって分断されている金メッキです.
   DIVIDE INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
   金具 FITTING NAIL
   錫メッキ
   Tin PLATING
   下地メッキ：ニッケルメッキ
   UNDER PLATING : NICKEL
3. (全極数／ 2) =偶数の場合に適用.
   APPLY FOR (CIRCUIT/2)=EVEN.
4. 嵌合相手： 503308 シリーズ
   MATE WITH : 503308 SERIES.
5. テール平坦度は、 0.08 以下
   テール及び金具の平坦度は、 0.1 以下
   TAIL COPLANARITY TO BE 0.08MAXIMUM.
   TAIL AND FITTING NAIL COPLANARITY TO BE 0.1MAXIMUM.
6. ELV and RoHS COMPLIANT.

B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	極数 CIRCUITS
11.6	14.2	503304-6010	60
9.6	12.2	503304-5010	50
8.4	11.0	503304-4410	44
8.0	10.6	503304-4210	42
7.6	10.2	503304-4010	40
5.6	8.2	503304-3010	30
4.8	7.4	503304-2610	26
3.6	6.2	503304-2010	20
3.2	5.8	503304-1810	18
2.8	5.4	503304-1610	16
2.0	4.6	503304-1210	12

CONNECTOR SERIES No. : 503304-**09

REVISED
EC NO: J2010-1761
DRWN:MTAKAHASHI 2009/12/23
CH'KD:THIRATA 2010/03/17
APPR:MSASAO 2010/03/18
DESCRIPTION
G
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 15:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KSASAKI DATE: 2008/04/17
CHECKED BY: THIRATA DATE: 2008/04/17
APPROVED BY: M.SASAO DATE: 2008/04/17

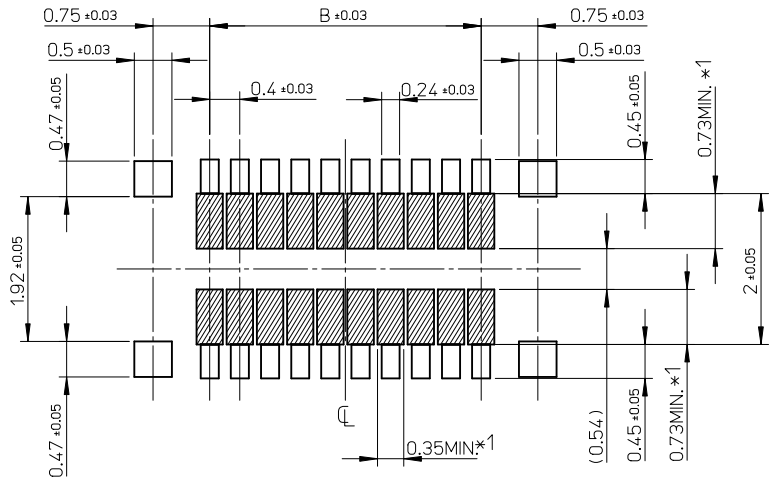
TITLE: 0.4 B-TO-B CONN. HGT=0.7 W=2.6 REC. ASS'Y

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-503304-001
SHEET NO.: 1 OF 2

SIZE A3

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RECOMMENDED P.W. BOARD PATTERN LAYOUT

*1 パターン引き回し、および半田禁止エリア
（当該箇所においては、これと接する回路以外の配線を禁止する．
また、接する回路を配線する場合はレジストを施し、この部分に
半田は無きこととする．）

*1 PROHIBITED AREA OF PATTERN WIRING AND SOLDER.
(FOR EACH AREA, THE WIRING THAT TOUCHES ON THE SOLDER CAN BE ATTACHED, THEN COVERED WITH A FILM TO KEEP SOLDER OUT.)

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EC NO: J2010-1761	DRWN:MTAKAHASHI03	2009/12/23	G
	CHKD:THIRATA	2010/03/17	
	APPR:MSASAO	2010/03/18	

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	15:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	KSASAKI
DATE	2008/04/17
CHECKED BY	THIRATA
DATE	2008/04/17
APPROVED BY	M.SASAO
DATE	2008/04/17
MATERIAL NO.	SEE CHART

TITLE: 0.4 B-TO-B CONN. HGT=0.7 W=2.6 REC. ASS'Y

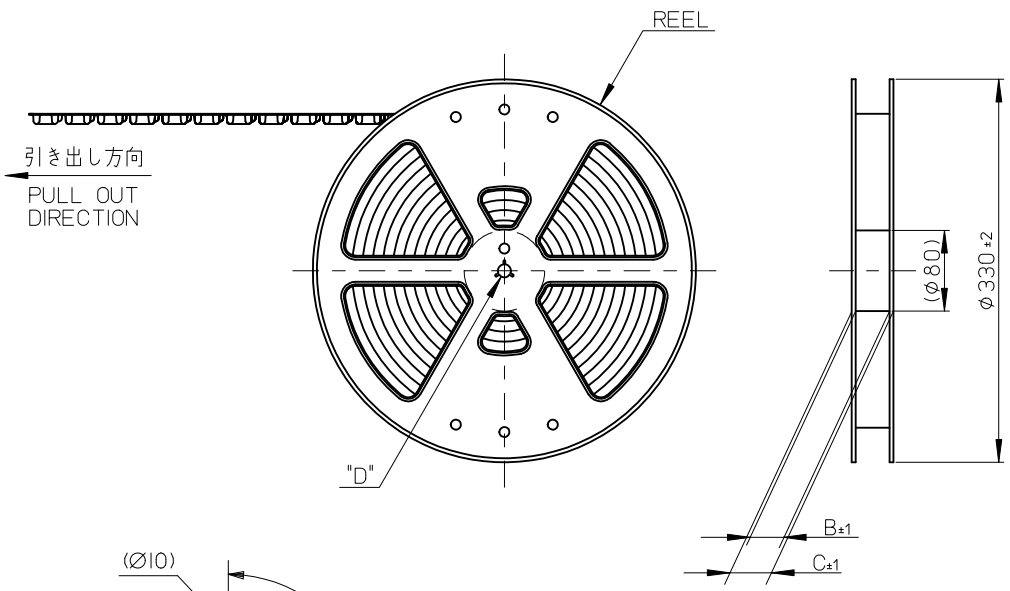
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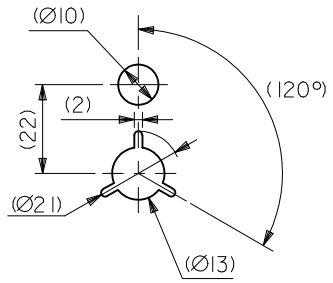
DOCUMENT NO.: SD-503304-001

SHEET NO.: 2 OF 2

SIZE A3

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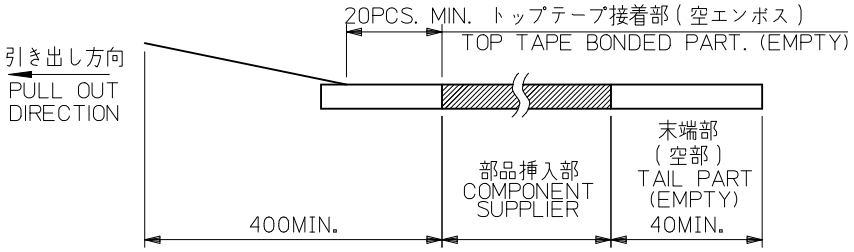




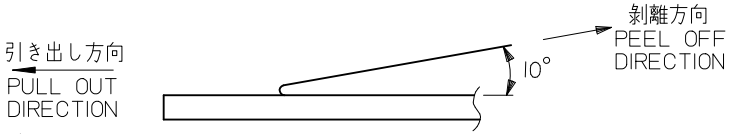
DETAIL "D"

注記 NOTES

1. 製品詳細寸法については製品単体図面を参照下さい。
   RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
2. 梱包数量：3000 個／リール
   NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



4. トップテープの剥離強度：0.1N~1.3N(10gf~130gf)
   （剥離方向は下図参照）
   尚、本規格値は出荷時に適用。（但し、輸送時に剥離が発生しないこと。）
   PEELING OFF FORCE OF TOP TAPE : 0.1N~1.3N(10gf~130gf)
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
   THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
   PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTION.



5. 材料 MATERIAL
   キャリアテープ（CARRIER TAPE）：ポリスチレン （POLYSTYRENE）
   トップテープ（TOP TAPE）：PET , OTHER
   リール（REEL）：ポリスチレン（PS）＜リサイクル材を含む＞
   POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
6. ELV 及び RoHS適合品
   ELV AND RoHS COMPLIANT

REVISED			REV
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	CH'KD:THIRATA	2010/03/17	
	APPR:MSASAO	2010/03/18	

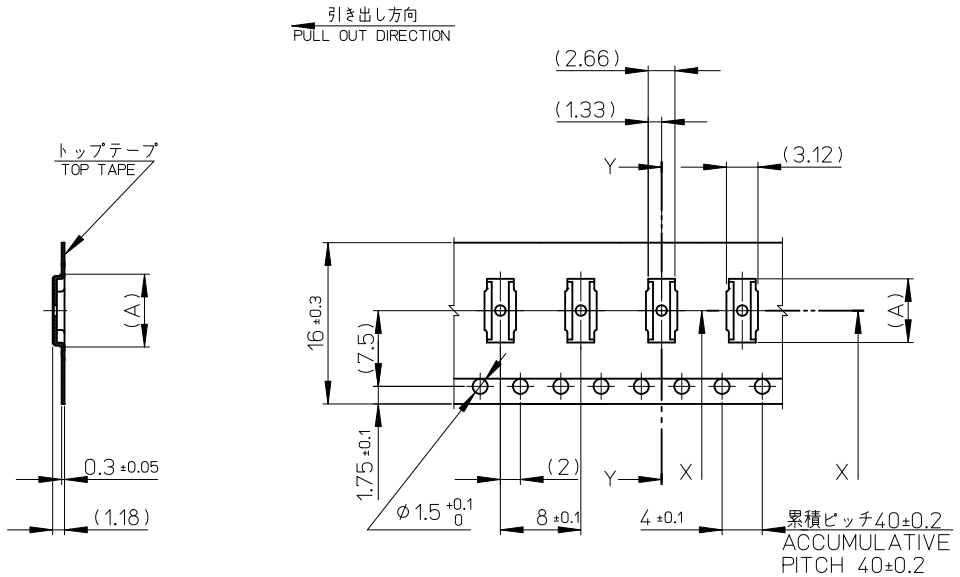
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 1:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: KSASAKI DATE: 2008/12/12	TITLE: 0.4 B-TO-B CONN. HGT=0.7 REC ASSY EMBSTP PKG		
CHECKED BY: THIRATA DATE: 2008/12/12			
APPROVED BY: MSASAO DATE: 2008/12/12	MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-503304-002		SHEET NO.: 1 OF 3
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

MODEL NO. 503304-**10



16mm 幅キャリアテープ

16mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.	CKT.
16	21.4	17.4	7.52	503304-2610	26
			7.12	503304-2410	24
			6.32	503304-2010	20
			5.92	503304-1810	18
			5.52	503304-1610	16
			4.72	503304-1210	12
				MODEL No.	503304-**10

REVISED
EC NO: J2010-1761 2010/01/08
DRWN:MTAKAHASHI03 2010/03/17
CH'KD:THIRATA 2010/03/18
APPR:MSASAO
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: KSASAKI DATE: 2008/12/12
CHECKED BY: THIRATA DATE: 2008/12/12
APPROVED BY: MSASAO DATE: 2008/12/12

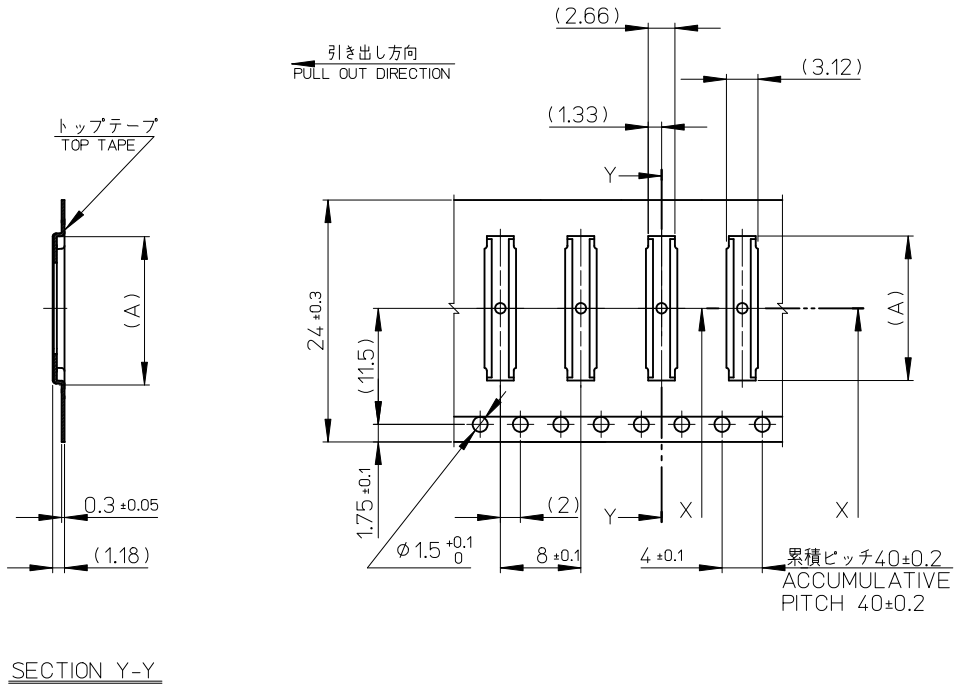
TITLE: 0.4 B-TO-B CONN. HGT=0.7 REC ASSY EMBSTP PKG

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-503304-002
SHEET NO.: 2 OF 3

SIZE A3

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24mm 幅キャリアテープ

24mm WIDTH CARRIER TAPE

キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL No.	CKT.
				MODEL No.	503304-**10
24	29.4	25.4	14.32	503304-6010	60
			12.32	503304-5010	50
			11.12	503304-4410	44
			10.72	503304-4210	42
			10.32	503304-4010	40
			8.32	503304-3010	30

REVISED
EC NO: J2010-1761
DRWN:MTAKAHASHI 03 2010/01/08
CH'KD:THIRATA 2010/03/17
APPR:MSASAO 2010/03/18
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: KSASAKI DATE: 2008/12/12
CHECKED BY: THIRATA DATE: 2008/12/12
APPROVED BY: MSASAO DATE: 2008/12/12

TITLE: 0.4 B-TO-B CONN. HGT=0.7 REC ASSY EMBSTP PKG

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-503304-002
SHEET NO.: 3 OF 3

SIZE A3

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