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Part Number:

5015915411

Status:

Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch SlimStack™ Board-to-Board Receptacle, SMT, Dual Row, Vertical Stacking, 0.90mm (.035") Stacking Height, With Solder Tabs, 54 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-501591-002 (PDF)

RoHS Certificate of Compliance (PDF)

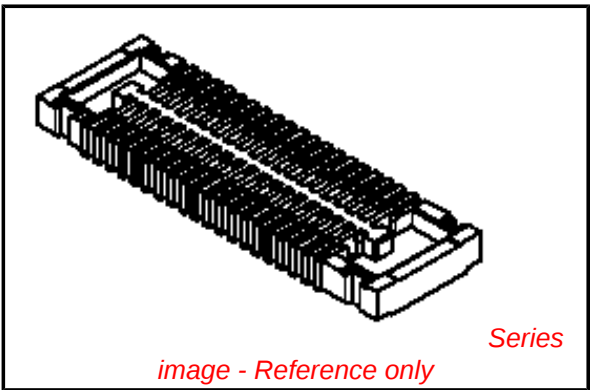
General	
Product Family	PCB Receptacles
Series	501591
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Circuits (Loaded)	54
Color - Resin	Black
Durability (mating cycles max)	20
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.035 In
Mated Height (mm)	0.90 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501591-001
Product Specification	PS-501591-002, RPS-501591-007, RPS-501591-010, RPS-501591-011, RPS-501591-012, RPS-501591-013, RPS-501591-014, RPS-501591-016, RPS-501591-017, RPS-501591-019, RPS-501591-020
Sales Drawing	SD-501591-005, SD-501591-006



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

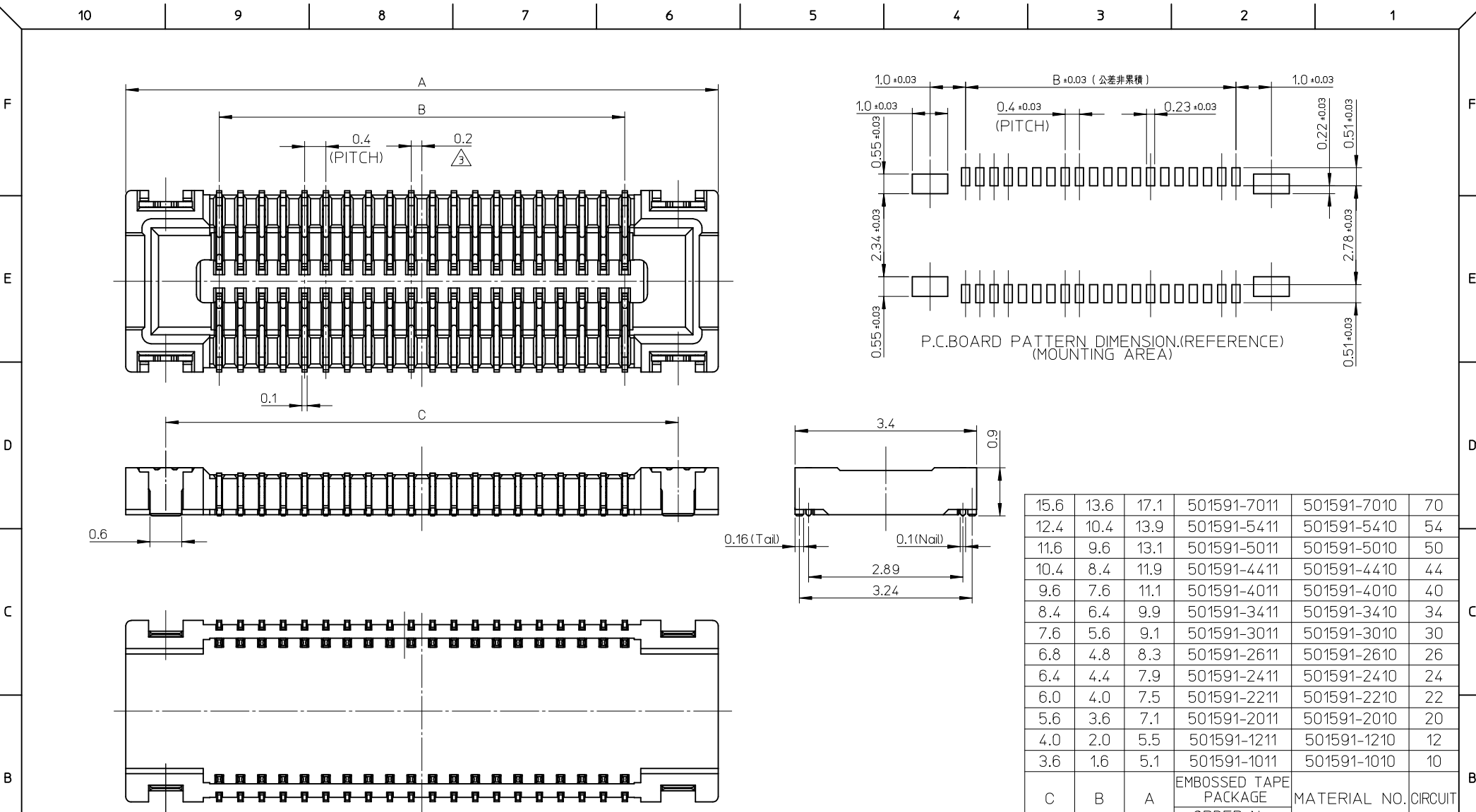
501591Series

Mates With

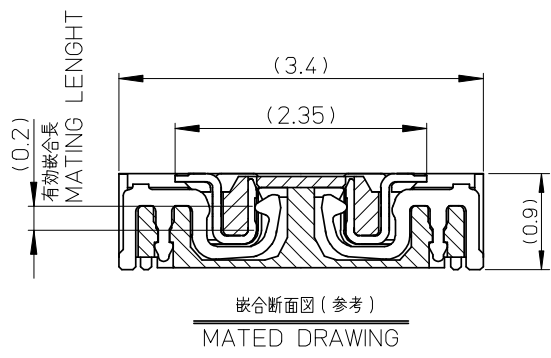
501594 PCB Header

This document was generated on 05/24/2010

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A	REVISED EC NO: J2008-3370 T DRAWN:KSTO CHKD:MSASAO APPR:MSASAO	2008/06/17 2008/06/17 2008/06/17	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	0.4MM PITCH B/B CONN. H=0.9 W=3.4 REC ASSY	MOLEX MOLEX INCORPORATED	SD-501591-005	SHEET NO. 1 OF 2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
				10 UNDER ± 0.2		DRAWN BY DATE TASAKAWA 2006/07/10		TITLE							
				10 OVER 30 UNDER ± 0.25		CHECKED BY DATE MSASAO 2006/07/10									
				30 OVER ± 0.3		APPROVED BY DATE MSASAO 2006/07/10									
				ANGULAR ± 3 °		MATERIAL NO.									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE									
				SIZE A3											



注記 NOTES

1.使用材料
MATERIAL

ハウジング : 液晶ポリマー (LCP) ガラス充填 UL-94V-0 (黒)
HOUSING : LIQUID CRYSTAL POLYMER (GLASS FILLED) UL94V-0 (COLOR:BLACK)

ターミナル : りん青銅 (t=0.1)
TERMINAL : PHOSHOR BRONZE (t=0.1)

金具 : りん青銅 (t=0.1)
FITTING NAIL : PHOSHOR BRONZE (t=0.1)

2.メッキ仕様
PLATING

ターミナル
TERMINAL

金メッキ 0.1マイクロメートル以上 (コンタクト部)
GOLD 0.1 MICROMETER MINIMUM (CONTACT AERA)

金メッキ 0.05マイクロメートル以上 (テール部)
GOLD 0.05 MICROMETER MINIMUM (TAIL AERA)

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

金具

FITTING NAIL

錫メッキ : 1.0マイクロメートル以上
TIN PLATING : 1.0 MICROMETER MINIMUM

下地メッキ : ニッケル 1.0マイクロメートル以上
UNDER PLATING : NICKEL 1.0 MICROMETER MINIMUM

△ (全極数/2)=偶数の場合に適用
APPLY FOR (CIRCUIT/2)=EVEN

4.嵌合相手 : 501594-**10シリーズ
WITH MATE : 501594-**10SERIES

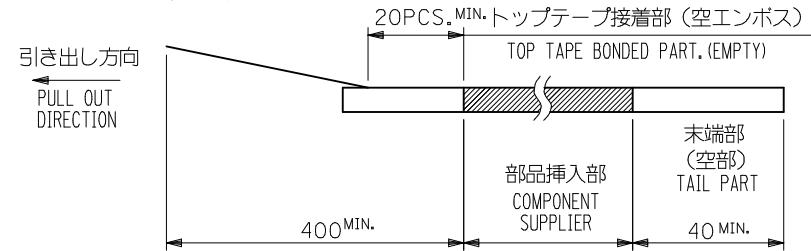
5.テール及び金具の平坦度は、0.1以下
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM

6.ELV AND RoHS COMPLIANT.

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		ANGULAR ±3 °		MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-501591-005		SHEET NO. 2 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						
				SIZE A3						

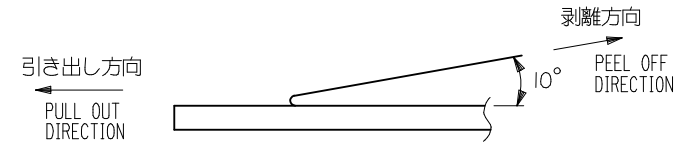
NOTES

- 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.
- 梱包数量： 3000 個／リール
NUMBER OF CONNECTORS : 3000 PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- トップテープの剥離強度： JES-59 参照
剥離方向は下図参照。

PEELING OFF STRENGTH OF TOP TAPE : REFER TO JES-59
PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE.



- 材料 MATERIAL

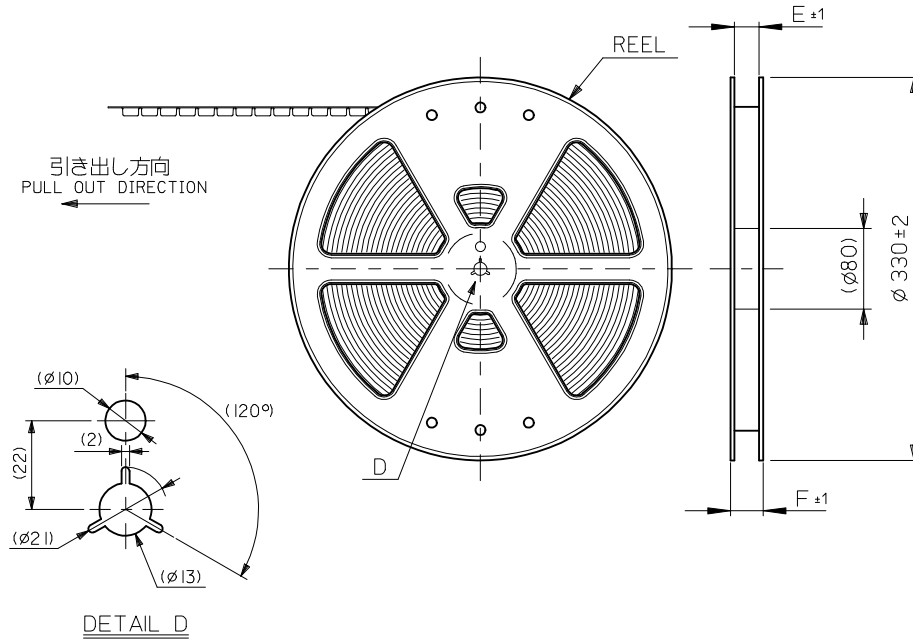
キャリアテープ (CARRIER TAPE) : ポリスチレン (POLYSTYLENE)

トップテープ (TOPTAPE) : PET , PE , PEF

リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>

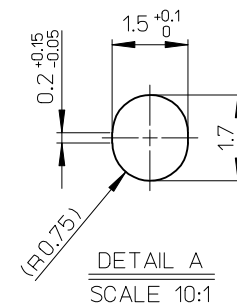
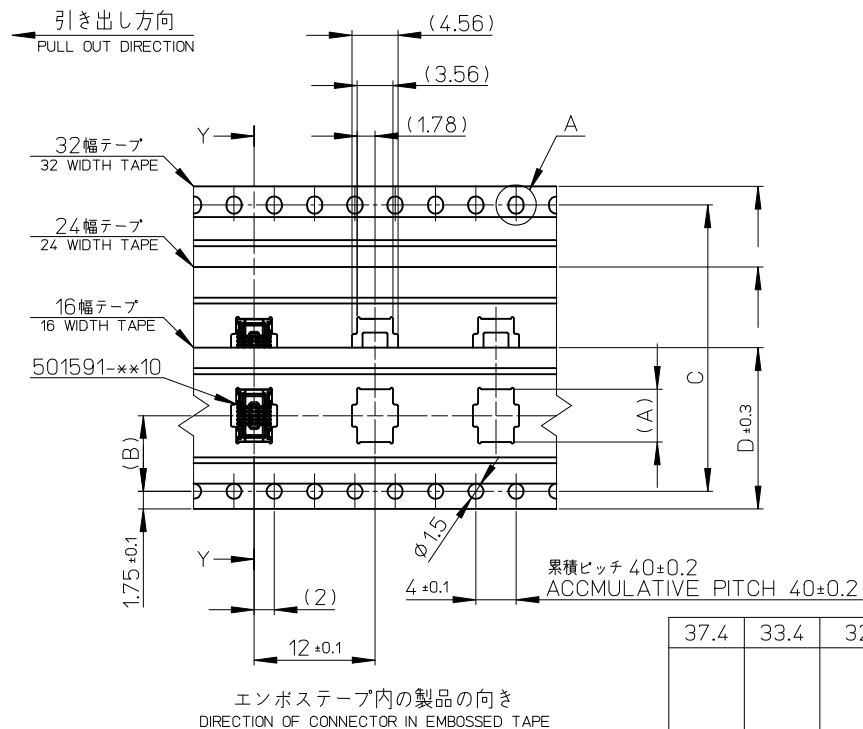
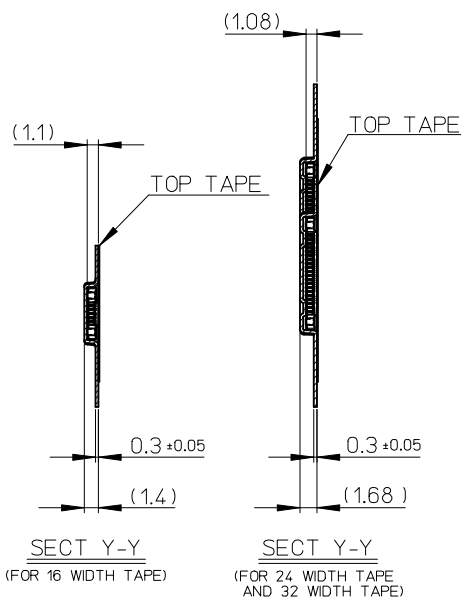
POLYSTYLENE (PS) <RECYCLE MATERIAL CONTAINED>

- 6.ELV AND RoHS COMPLIANT.



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		10 OVER 30 UNDER	± 0.25	CHECKED BY MSASAO	DATE 2006/07/10			
		30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2006/07/10	 MOLEX INCORPORATED		
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501591-006		1 OF 2	
	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1



37.4	33.4	32	28.4	14.2	17.26	501591-7011	70
29.4	25.4	24	—	11.5	14.06	501591-5411	54
					13.26	501591-5011	50
					12.06	501591-4411	44
					11.26	501591-4011	40
					10.06	501591-3411	34
					9.26	501591-3011	30
					8.46	501591-2611	26
					8.06	501591-2411	24
					7.66	501591-2211	22
21.4	17.4	16	—	7.5	7.26	501591-2011	20
					5.66	501591-1211	12
					5.26	501591-1011	10
F	E	D	C	(B)	(A)	MATERIAL No.	極数 CKT

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		30 OVER	± 0.3	APPROVED BY MSASAO	2006/07/10	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501591-006		2 OF 2		
REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

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