

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

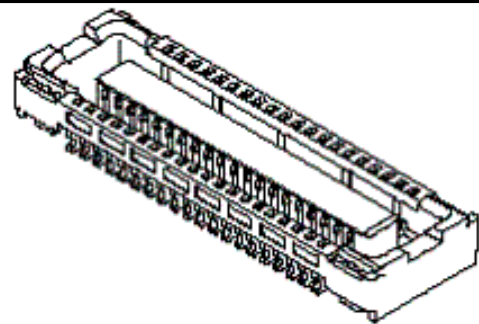
0513380874

Status:

Active

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical Stacking, with Space Saving J-Bend Leads, 80 Circuits, Lead-free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-51338-002 \(PDF\)](#)
- [Product Specification PS-51338-003 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	51338
Application	Board-to-Board
Comments	Solder Tab Plating: Tin (Sn) over Nickel
Product Name	SlimStack™

Physical

Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height (in)	0.059 In, 0.079 In
Mated Height (mm)	1.50 mm, 2.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
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-51338-001
Product Specification	PS-51338-002, PS-51338-003, RPS-51338-007, RPS-51338-008, RPS-51338-011, RPS-51338-012, RPS-51338-013, RPS-51338-015, RPS-51338-018, RPS-51338-019, RPS-51338-020, RPS-51338-022, RPS-51338-024, RPS-51338-025, RPS-51338-027, RPS-51338-030, RPS-51338-031

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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

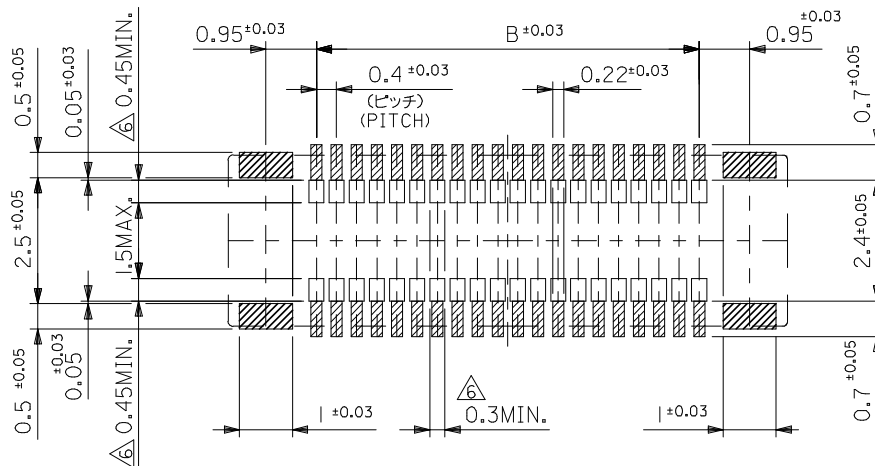
51338Series

Mates With

55909 PCB Header, 501745 PCB Header

This document was generated on 04/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



参考基板レイアウト (マウント面)
P.C.BOARD PATTERN DIMENSION (REFERENCE)
(MOUNTING AREA)

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 UL94V-0 (黒)
HOUSING: LIQUID CRYSTAL POLYMER (GLASS FILLED)
UL94V-0 (COLOR: BLACK)
ターミナル: リン青銅 (t=0.15)
TERMINAL: PHOSPHOR BRONZE (t=0.15)
金具: リン青銅 (t=0.15)
FITTING NAIL: PHOSPHOR BRONZE (t=0.15)

2. メッキ仕様 PLATING

ターミナル TERMINAL

金メッキ 0.2マイクロメートル以上 (コンタクト部)
GOLD 0.2MICROMETER MINIMUM (CONTACT AREA)

金メッキ 0.4マイクロメートル以下 (テール部)
GOLD 0.4MICROMETER MAXIMUM (TAIL AREA)

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 1.5MICROMETER MINIMUM

* 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 1.0 マイクロメートル以上
TIN PLATING 1.0 MICROMETER MINIMUM

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

③ (全極数/2) = 偶数の場合に適用。
APPLY FOR (CIRCUIT/2) = EVEN.

4. 嵌合相手: 55909シリーズ

MATE WITH: 55909 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 0.08 MAXIMUM
TAIL AND FITTING NAIL COPLANARITY TO BE 0.1 MAXIMUM

④ 同一回路以外のパターン書込み禁止範囲を示す。
NO PRINT CIRCUIT AREA OTHER THAN THE SAME CIRCUIT.

7. 本製品は 51338-***3 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 51338-***3.

REVISED	EC NO: J2009-0301	2008/08/27
	DRWN: MWBEI	2008/08/28
	CHKD: THARUYAMA	2008/08/28
	APPR: NUKITA	2008/08/28
REV		

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±---
10 OVER 30 UNDER	±---
30 OVER	±---
ANGULAR	±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
M. NINOMIYA	2004/03/17
CHECKED BY	DATE
K. TOJO	2004/03/17
APPROVED BY	DATE
M. SASAO	2004/03/17
MATERIAL NO.	
SEE SHEET 1	
SIZE	
A3	

51338-***9		MODEL NO.
SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
TITLE		
0.4 B-TO-B REC ASSY HGT=1.5 J-BEND TAIL -LEAD FREE-		
moLEX MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-51338-003		2 OF 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

F

E

D

C

B

A

F

E

D

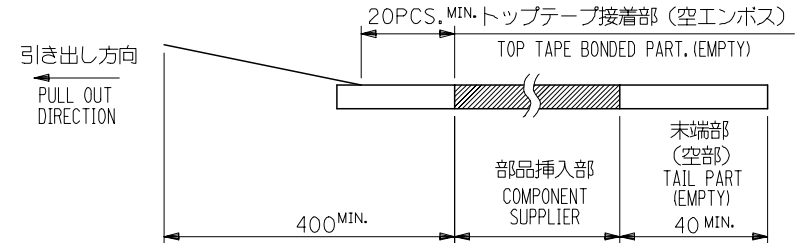
C

B

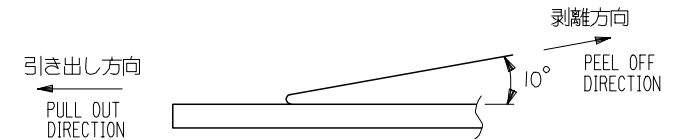
A

NOTES

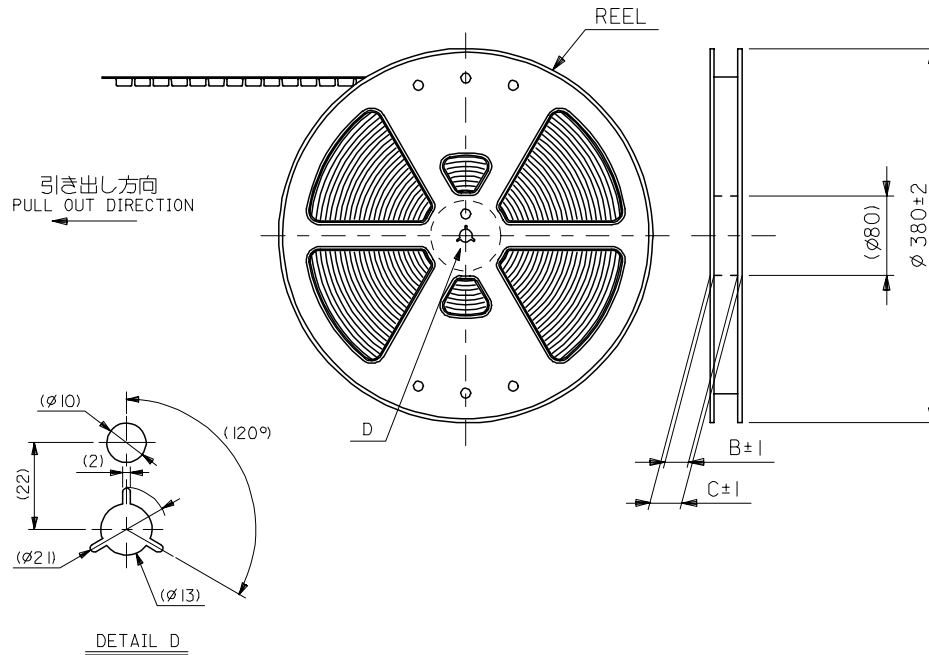
- 製品詳細寸法については製品単体図面を参照下さい。
RE DETAILED DIMENSION, SEE PRODUCT DRAWING.
- 梱包数量：2500個/リール
NUMBER OF CONNECTORS：2500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 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 TRANSPORTATION.

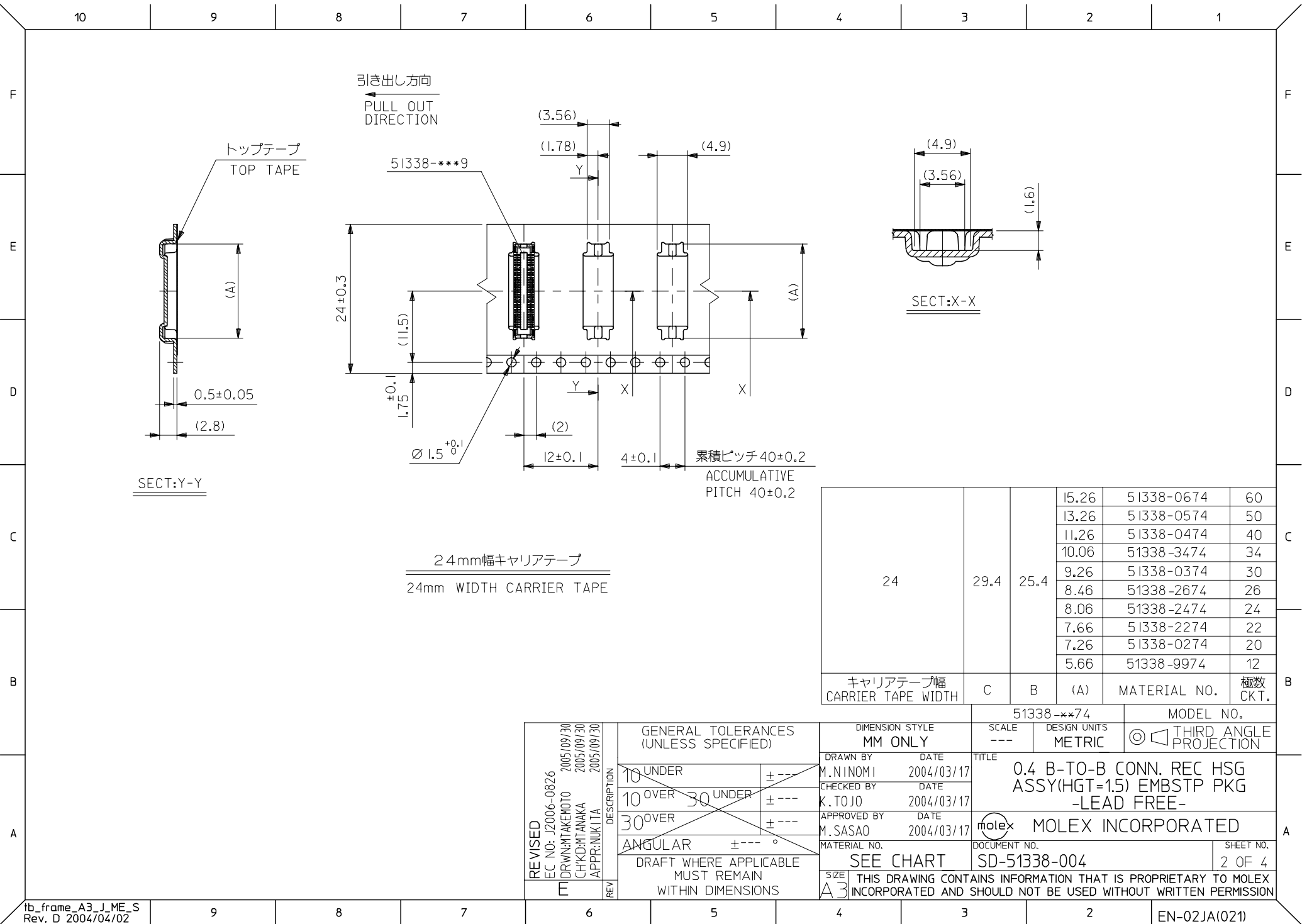


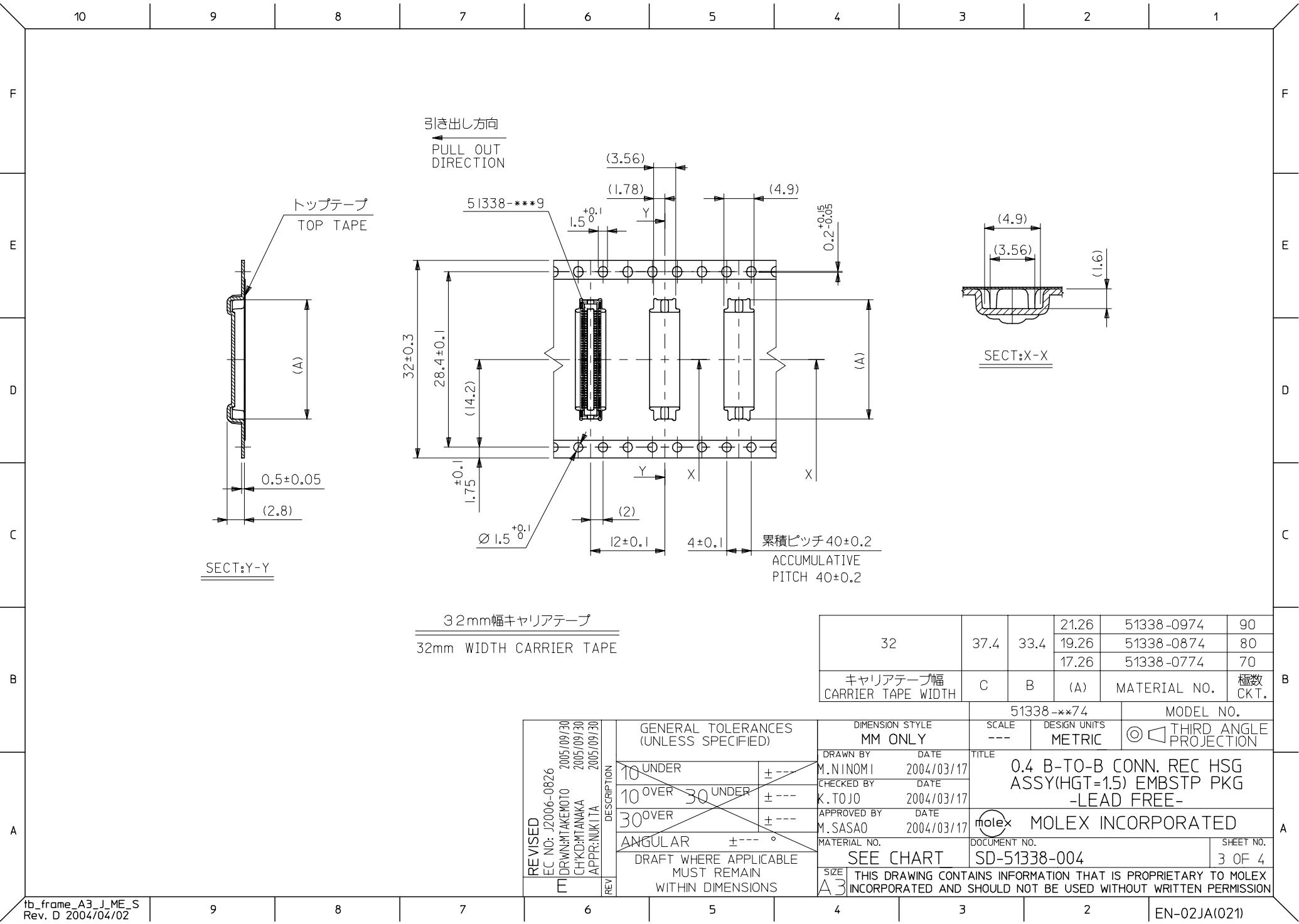
- 材料
キャリアテープ (CARRIER TAPE)：ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE)：PET, PE, PEF
リール (REEL)：ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は 5138-***4 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 5138-***4.



DETAIL D

REVISED		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		5138-***4		MODEL NO.	
EC NO: J2006-0826		10 UNDER ±---		DRAWN BY DATE		SCALE ---		THIRD ANGLE PROJECTION	
DRWN: TAKEMOTO		10 OVER 30 UNDER ±---		M. NINOMI 2004/03/17		DESIGN UNITS METRIC		0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-	
CHKD: 2005/09/30		30 OVER ±---		K. TOJO 2004/03/17		TITLE		MOLEX INCORPORATED	
APPR: NUKITA 2005/09/30		ANGULAR ±---		M. SASAO 2004/03/17		MATERIAL NO.		DOCUMENT NO.	
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-5138-004		SHEET NO.	
A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SIZE		1 OF 4			

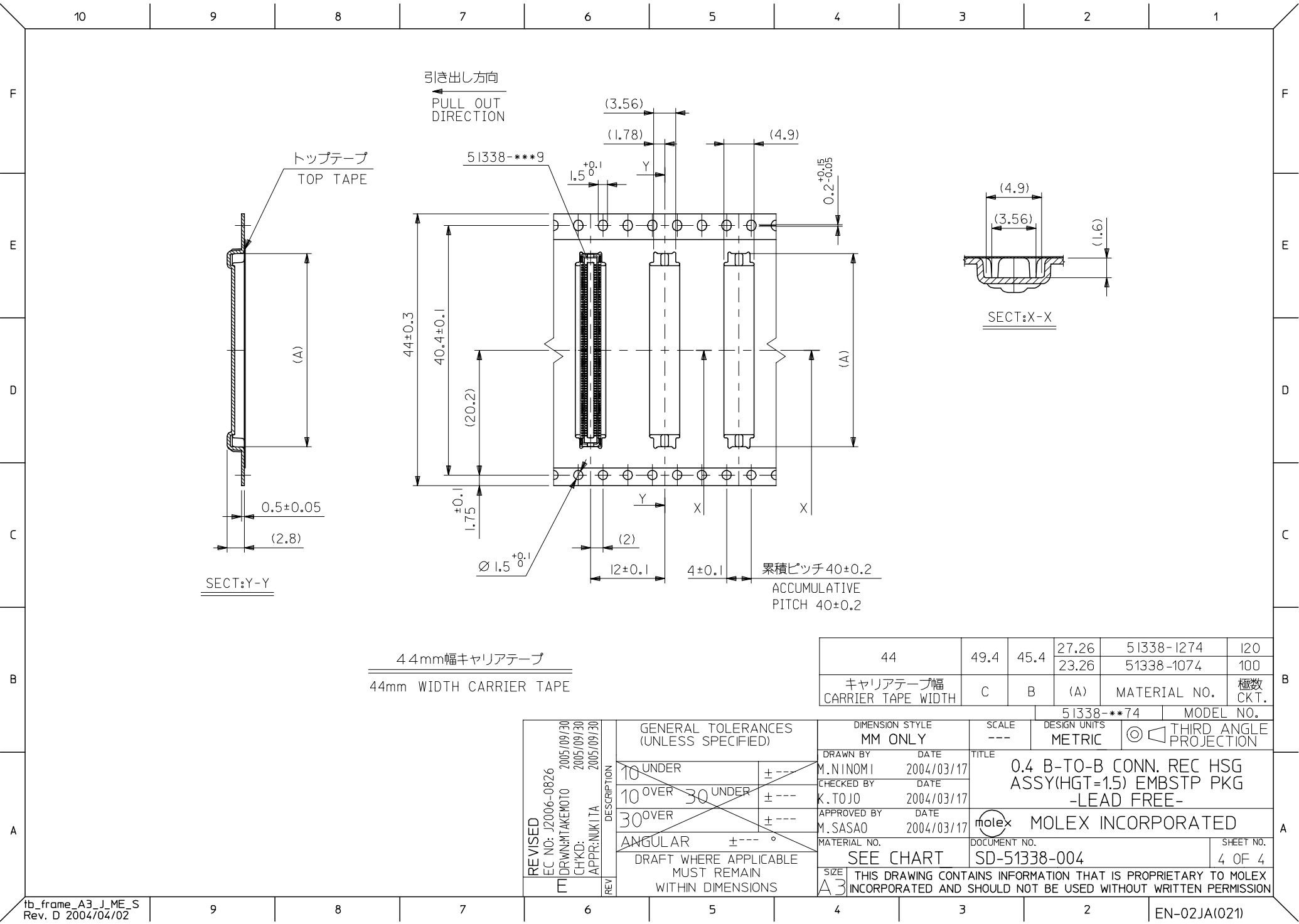




32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	37.4	33.4	21.26	51338-0974	90
			19.26	51338-0874	80
			17.26	51338-0774	70
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

REVISED EC NO: J2006-0826 DRW:NTAKEMOTO 2005/09/30 CHKD:MTANAKA 2005/09/30 APPR:NUKITA 2005/09/30	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±---	DRAWN BY M.NINOMI	DATE 2004/03/17	TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-				
		10 OVER 30 UNDER	±---	CHECKED BY K.TOJO	DATE 2004/03/17					
		30 OVER	±---	APPROVED BY M.SASAO	DATE 2004/03/17	MOLEX MOLEX INCORPORATED				
		ANGULAR	±--- °	MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
REV	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-51338-004			3 OF 4	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

44	49.4	45.4	27.26	51338-1274	120
			23.26	51338-1074	100
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CKT.

51338-***74 MODEL NO.

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
10 UNDER	±---	DRAWN BY M.NINOMI	DATE 2004/03/17	TITLE 0.4 B-TO-B CONN. REC HSG ASSY(HGT=1.5) EMBSTP PKG -LEAD FREE-	
10 OVER 30 UNDER	±---	CHECKED BY K.TOJO	DATE 2004/03/17		
30 OVER	±---	APPROVED BY M.SASAO	DATE 2004/03/17		
ANGULAR	±---	MATERIAL NO.	DOCUMENT NO.	MOLEX INCORPORATED	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	SEE CHART	SD-51338-004	SHEET NO. 4 OF 4

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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

moschip.ru_4

moschip.ru_6

moschip.ru_9