

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5033763010

Status:

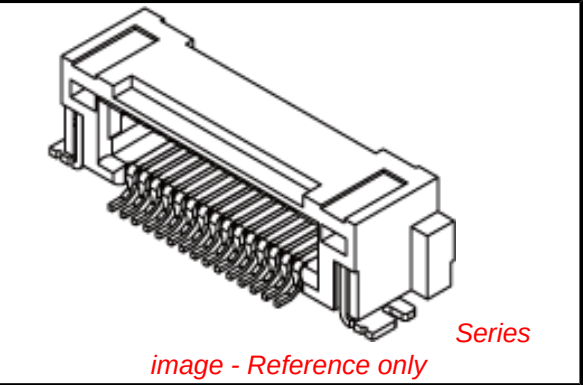
Active

Overview:

slimstack_mm016_pitch

Description:

0.40mm (.016") Pitch Board-to-Board SlimStack™ Plug, SMT, Dual Row, Right Angle, with Solder Tabs and Plastic Pegs, 30 Circuits



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-54552-023 \(PDF\)](#)

[Product Specification PS-54552-024 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	503376
Application	Board-to-Board
Overview	slimstack_mm016_pitch
Product Name	SlimStack™
Physical	
Breakaway	No
Circuits (Loaded)	30
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.016 In
Pitch - Mating Interface (mm)	0.40 mm
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	0.3A
Voltage - Maximum	30V AC (RMS)/DC
Material Info	
Reference - Drawing Numbers	
Packaging Specification	SPK-503376-001
Product Specification	PS-54552-023, PS-54552-024, RPS-54552-011
Sales Drawing	SD-503376-001, SD-503376-002

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.

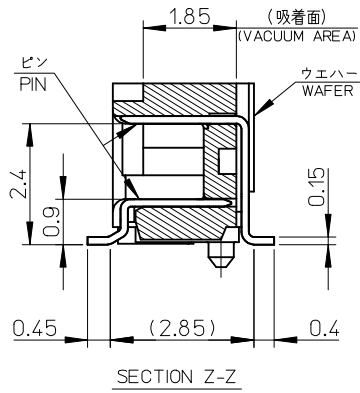
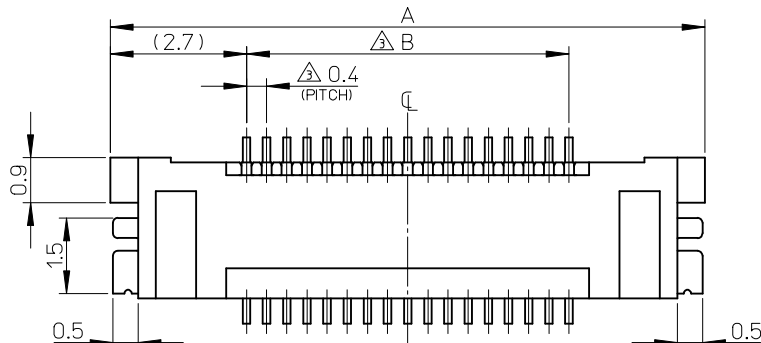
Search Parts in this Series

503376Series

Mates With

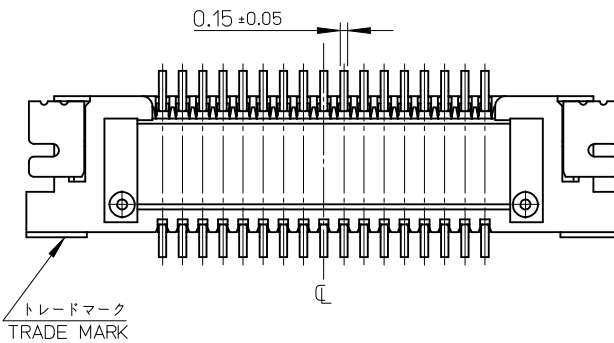
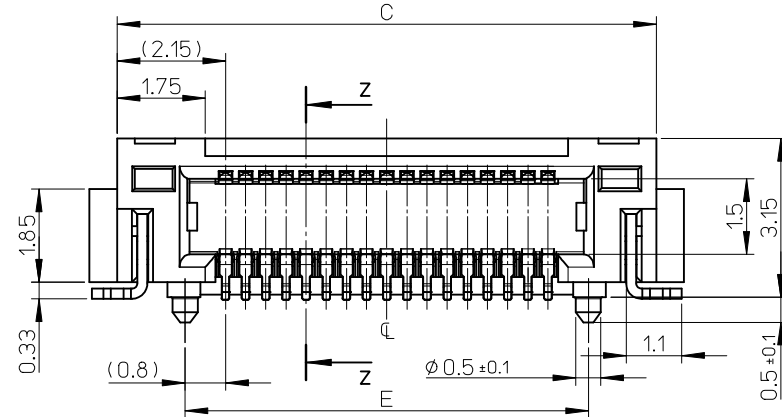
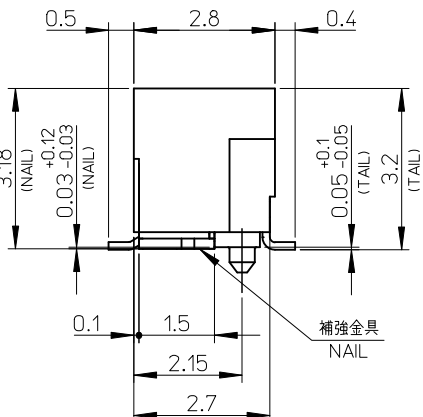
54552 PCB Receptacle

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注記 NOTES

1. 使用材料 MATERIAL
ウエハー: 液晶ポリマー ガラス充填 UL94V-0 黒色
WAFER: LIQUID CRYSTAL POLYMER, GLASS FILLED, UL94V-0, COLOR BLACK
ピン: リン青銅
PIN: PHOSPHOR BRONZE
補強金具: リン青銅
FITTING NAIL: PHOSPHOR BRONZE
 2. メッキ仕様 PLATING
ピン PIN
コンタクト部: 部分金めっき (0.25 μm 以上)
テール部: 部分金めっき
下地: ニッケルめっき (1.5 μm 以上)
CONTACT AREA: SEPARATED GOLD PLATING (0.25 MICROMETER MINIMUM)
SOLDER TAIL AREA: SEPARATED GOLD PLATING
UNDERPLATE: NICKEL OVERALL (1.5 MICROMETER MINIMUM)
補強金具 FITTING NAIL
錫めっき (1.0 μm 以上)
下地: ニッケルめっき (1.0 μm 以上)
TIN PLATING (1.0 MICROMETER MINIMUM)
UNDERPLATE: NICKEL OVERALL (1.0 MICROMETER MINIMUM)
- △ テール部に適用。
APPLY TO THE TAIL AREA.
4. 嵌合相手: 54552 シリーズ
MATE WITH: 54552 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
 6. ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT



9.2	10.5	11.9	7.6	13.0	503376-4010	40
8.0	9.3	10.7	6.4	11.8	503376-3410	34
7.2	8.5	9.9	5.6	11.0	503376-3010	30
E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER No.	極数 CIRCUITS

REVISED
EC NO: J2010-0351
DRWN: TOSHIMA
CHKD: SMARUYAMA
APPR: MSASAO
2009/09/04
2009/09/04
2009/09/04

DESCRIPTION
A

REV

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

DRAWN BY
M. TAKASAKI
2009/06/03
CHECKED BY
M. HAYASHI
2009/06/03
APPROVED BY
N. UKITA
2009/06/03
MATERIAL NO.
SEE CHART
SIZE
A3

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

CONNECTOR SERIES No. : 503376-**-19

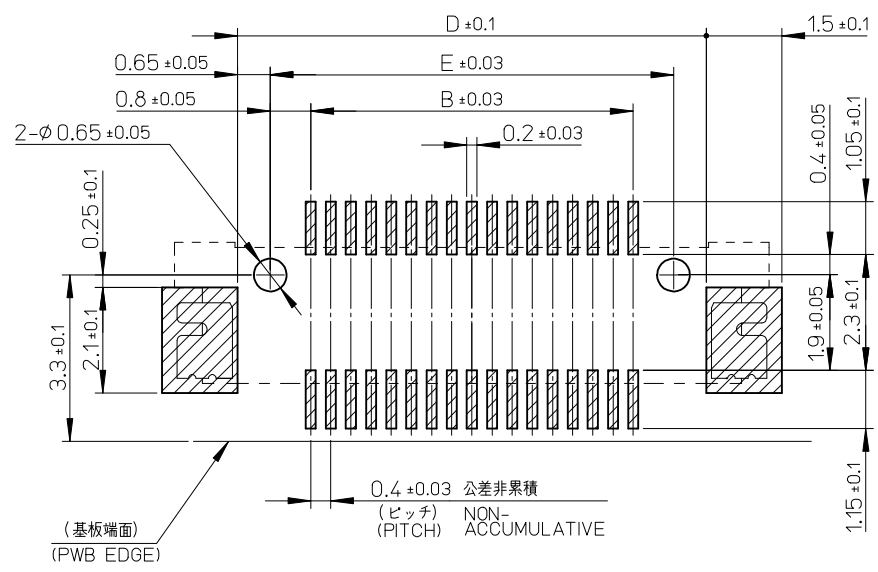
SCALE
10:1

DESIGN UNITS
METRIC

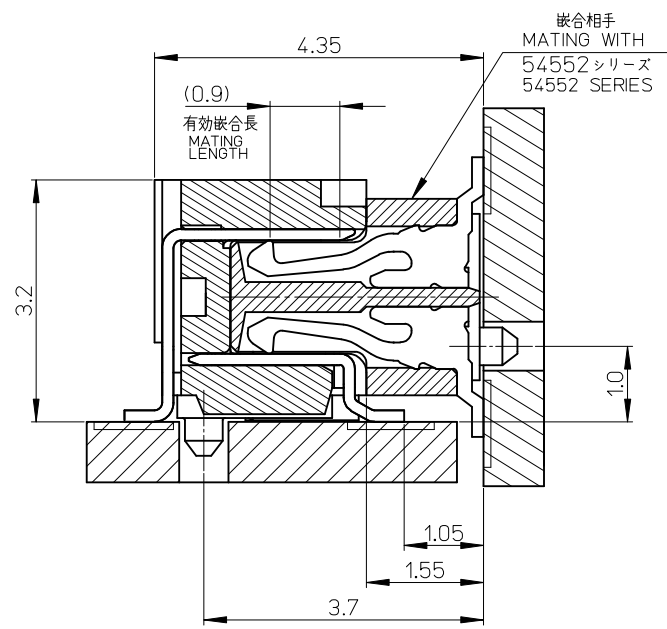
THIRD ANGLE PROJECTION

TITLE
0.4 B-TO-B CONN. RA
PLUG NAIL ASSY
(WITH BOSS)
MOLEX INCORPORATED
SD-503376-001

SHEET NO.
1 OF 2



推奨基板レイアウト(マウント面)
RECOMMENDED P.W. BOARD
PATTERN DIMENSION (REFERENCE)
(MOUNTING AREA)



嵌合断面 及び ボス位置 (参考)
MATED AND BOSS POSITION
DRAWING (REFERENCE)

REVISED EC NO: J2010-0351 DRWN: TOSHIMA CHKD: SMARUYAMA APPR: MSASAO		DESCRIPTION REV		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		CONNECTOR SERIES No. : 503376-**19		
								SCALE 15:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
								TITLE 0.4 B-T0-B CONN. RA PLUG NAIL ASSY (WITH BOSS)		
								MOLEX INCORPORATED		
A		REV		ANGULAR ±3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-503376-001		SHEET NO. 2 OF 2
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

10

9

8

7

6

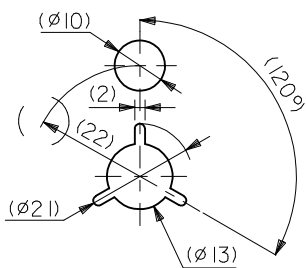
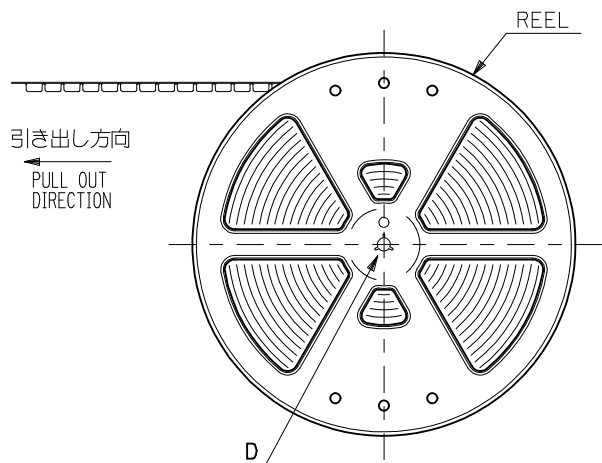
5

4

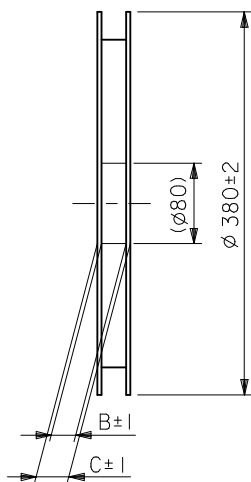
3

2

1

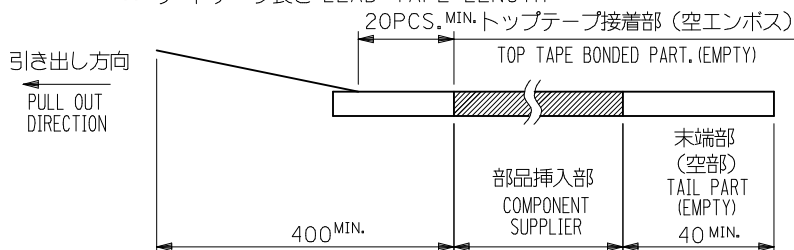


DETAIL D



NOTES

- 製品詳細寸法については SD-503376-001 を参照ください。
RE DETAILED DIMENSION, SEE SD-503376-001
- 梱包数量：1500個/リール
NUMBER OF CONNECTORS : 1500PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



- 材料 (MATERIAL)
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>
- ELV 及び RoHS適合品
ELV AND RoHS COMPLIANT.

503376-4010	40
503376-3410	34
503376-3010	30
MATERIAL NO.	極数 CIRCUITS

REVISED EC NO.: J2010-0351 DRWN: TOSHIMA CHKD: SMARUYAMA APPR: MSASAO	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	M. TAKASAKI	2009/06/03	TITLE EMBSTP PKG FOR 0.4 B/B CONN. RA PLUG NAIL ASSY				
		10 OVER 30 UNDER	± 0.25	M. HAYASHI	2009/06/03					
		30 OVER	± 0.3	N. UKITA	2009/06/03	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-503376-002			SHEET NO. 1 OF 2	
A		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9

8

7

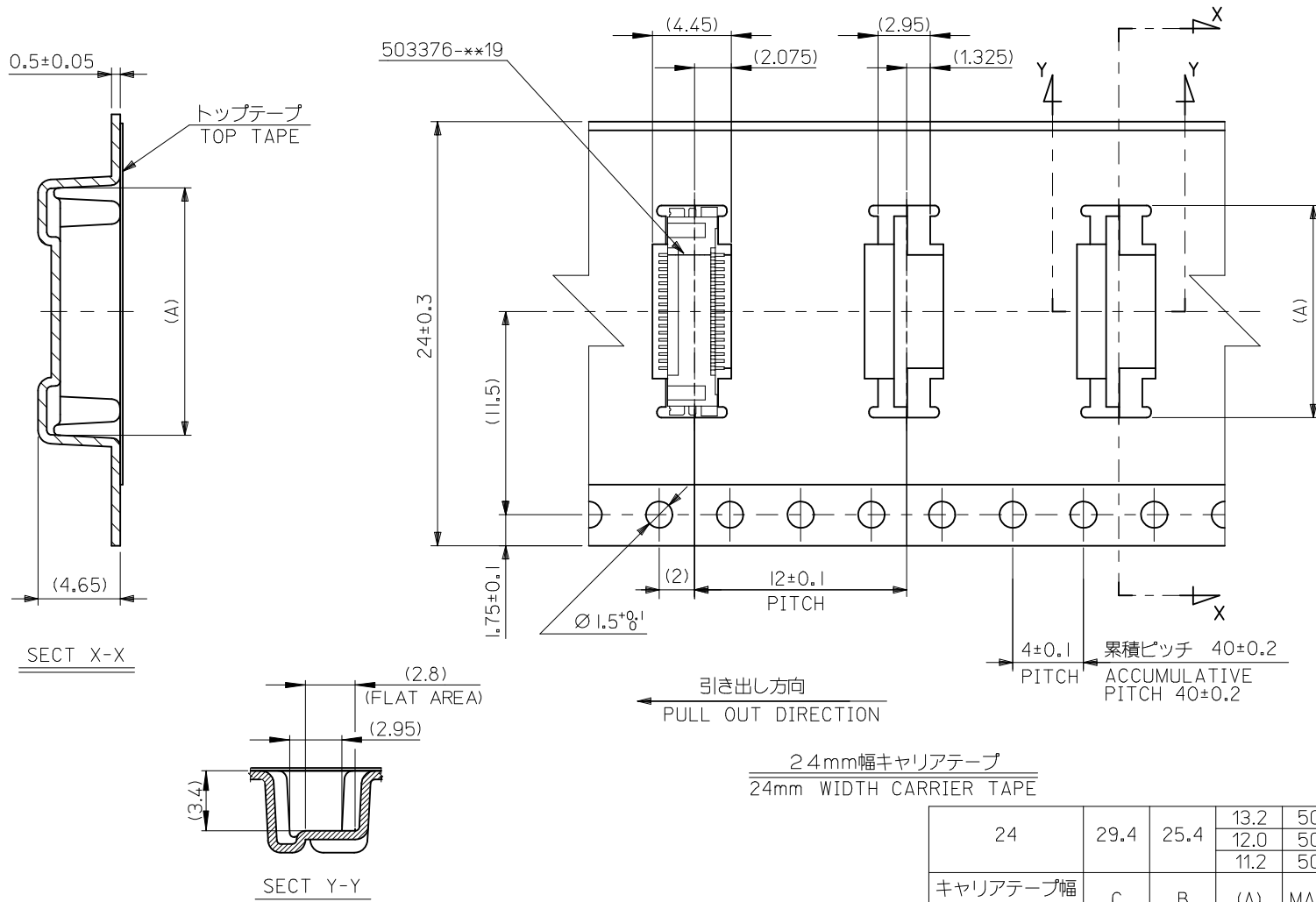
6

5

4

3

2



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	29.4	25.4	13.2	503376-4010	40
			12.0	503376-3410	34
			11.2	503376-3010	30
キャリアテープ幅 CARRIER TAPE WIDTH	C	B	(A)	MATERIAL NO.	極数 CIRCUITS

REVISED EC NO: J2010-0351 DRWN: TOSHIMA CHKD: SMARUYAMA APPR: MSASAO A	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	MODEL NO.	THIRD ANGLE	
				MM ONLY		---	DESIGN UNITS	PROJECTION	
		10 UNDER		±0.2	DRAWN BY	DATE	TITLE EMBSTP PKG FOR 0.4 B/B CONN. RA PLUG NAIL ASSY		
		10 OVER 30 UNDER		±0.25	CHECKED BY	DATE			
		30 OVER		±0.3	APPROVED BY	DATE			
	ANGULAR ±3 °			N. UKITA	2009/06/03				
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
SEE CHART				SD-503376-002		2 OF 2			
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					