

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

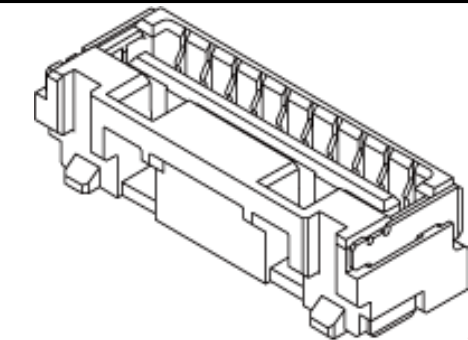
5023820870

Status:

Active

Description:

1.25mm (.049") Pitch CLIK-Mate™ Wire-to-Board PCB Receptacle, Single Row, Vertical, 8 Circuits



Series
image - Reference only

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Application Specification \(PDF\)](#)

[Product Specification PS-502382-001 \(PDF\)](#)

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

General

Product Family	PCB Receptacles
Series	502382
Application	Wire-to-Board
Product Name	CLIK-Mate™

Physical

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	0.307 In
Mated Height (mm)	7.80 mm
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Pitch - Term. Interface (in)	0.049 In
Pitch - Term. Interface (mm)	1.25 mm
Plating min: Mating (µin)	40.000
Plating min: Mating (µm)	1.00
Plating min: Termination (µin)	40.000
Plating min: Termination (µm)	1.00
Polarized to Mating Part	Yes
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	1A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

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

502382Series

Mates With

502380 Crimp Housing

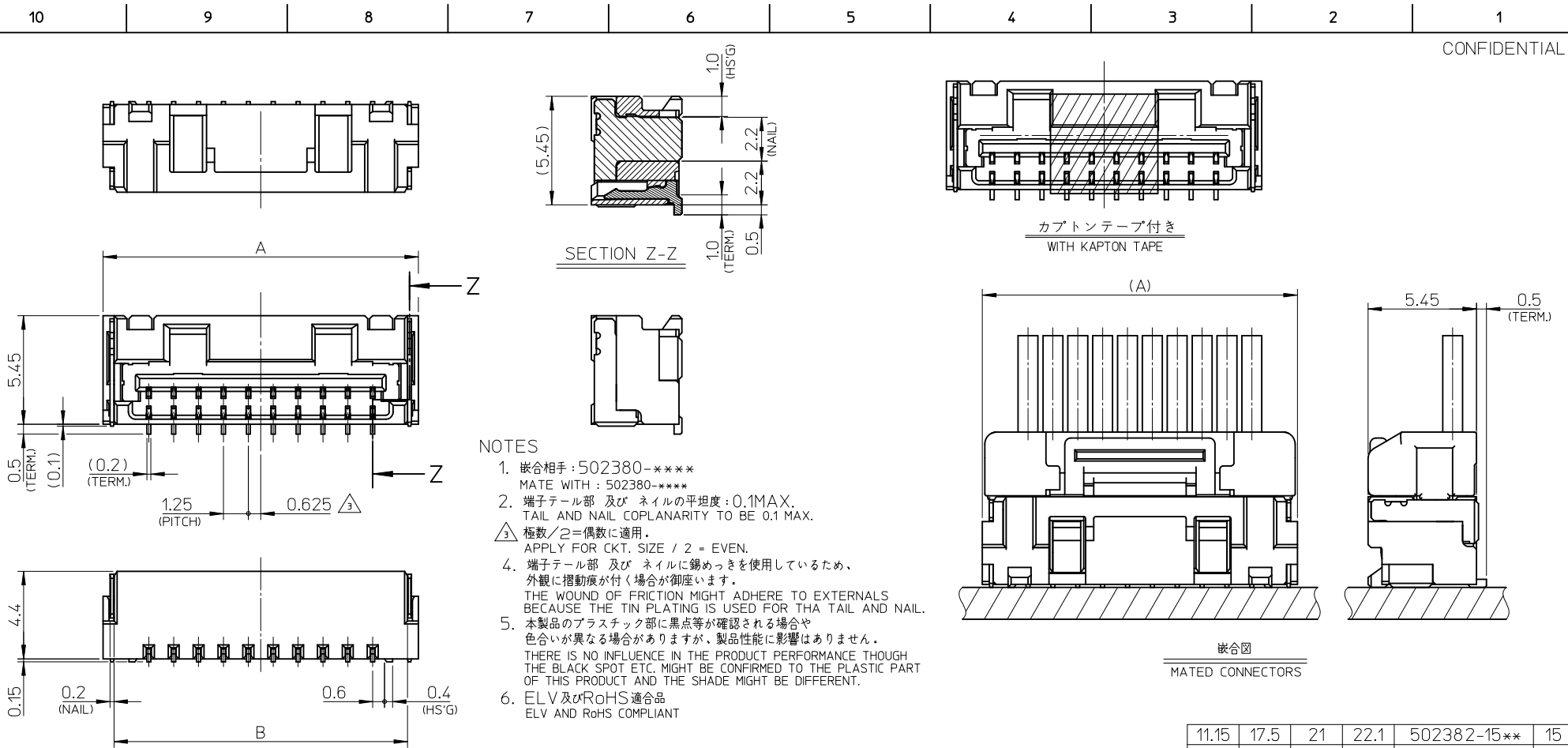
Packaging Specification
Product Specification

SPK-502382-001
PS-502382-001, RPS-502382-002, RPS-502382-003,
RPS-502382-005, RPS-502382-006, RPS-502382-007,
RPS-502382-008, RPS-502382-011, RPS-502382-012,
RPS-502382-013
SD-502382-002, SD-502382-003

Sales Drawing

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES

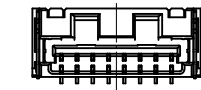
1. 嵌合相手: 502380-****
MATE WITH: 502380-****
2. 端子テール部 及び ネイルの平坦度: 0.1MAX.
TAIL AND NAIL COPLANARITY TO BE 0.1 MAX.
3. 極数/2=偶数に適用。
APPLY FOR CKT. SIZE / 2 = EVEN.
4. 端子テール部 及び ネイルに錫めっきを使用しているため、
外観に摺動痕が付く場合が御座います。
THE WOUND OF FRICTION MIGHT ADHERE TO EXTERNALS
BECAUSE THE TIN PLATING IS USED FOR THA TAIL AND NAIL.
5. 本製品のプラスチック部に黒点等が確認される場合や
色合いが異なる場合がありますが、製品性能に影響はありません。
THERE IS NO INFLUENCE IN THE PRODUCT PERFORMANCE THOUGH
THE BLACK SPOT ETC. MIGHT BE CONFIRMED TO THE PLASTIC PART
OF THIS PRODUCT AND THE SHADE MIGHT BE DIFFERENT.
6. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

嵌合図
MATED CONNECTORS

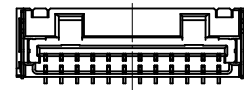
11.15	17.5	21	22.1	502382-15**	15
9.9	16.25	19.75	20.85	502382-14**	14
8.65	15	18.5	19.6	502382-13**	13
7.4	13.75	17.25	18.35	502382-12**	12
6.15	12.5	16	17.1	502382-11**	11
4.9	11.25	14.75	15.85	502382-10**	10
3.65	10	13.5	14.6	502382-09**	9
2.4	8.75	12.25	13.35	502382-08**	8
D	C	B	A	EMBOSSSED TAPE PACKAGE オーダー番号ORDER No.	極数 CKT. NO.

番号 NO.	部品 PART	材質 MATERIAL
①	ハウジング HOUSING	耐熱性樹脂 UL94V-0 色:SHEET 3 参照 HEATPROOF RESIN UL94V-0 COLOR: SEE SHEET 3
②	ターミナル TERMINAL	銅合金 COPPER ALLOY 錫めっき: 1.0 micro-meter MIN. TIN (TAIL AREA) ニッケルめっき(下地): 1.0 micro-meter MIN. NICKEL (UNDER PLATING)
③	ネイル NAIL	銅合金 COPPER ALLOY 錫めっき: 1.0 micro-meter MIN. TIN ニッケルめっき(下地): 1.0 micro-meter MIN. NICKEL (UNDER PLATING)

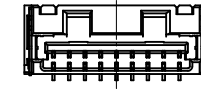
REVISED EC NO: J2010-2024 DRWN: YG010 CHKD: K. ASAKAWA APPR: NUKITA REV D	DESCRIPTION 2010/04/07 2010/04/12 2010/04/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY T. MIYAZAKI	DATE 2006/08/28	TITLE 1.25 W/B CONN. SINGLE S/T REC. ASS'Y 8-15CKT.				
		10 OVER 30 UNDER	±0.25	CHECKED BY K. ASAKAWA	DATE 2006/08/28					
		30 OVER	±0.3	APPROVED BY Y. ITO	DATE 2006/08/28					
		ANGULAR ±3 °		MATERIAL NO.		MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-502382-002				
				SIZE A3		SHEET NO. 1 OF 3				
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								



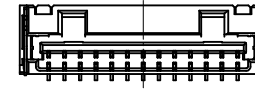
8 CKT.



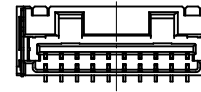
12 CKT.



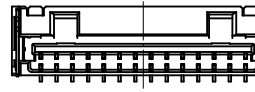
9 CKT.



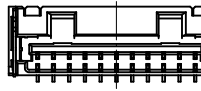
13 CKT.



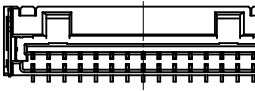
10 CKT.



14 CKT.



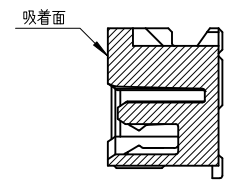
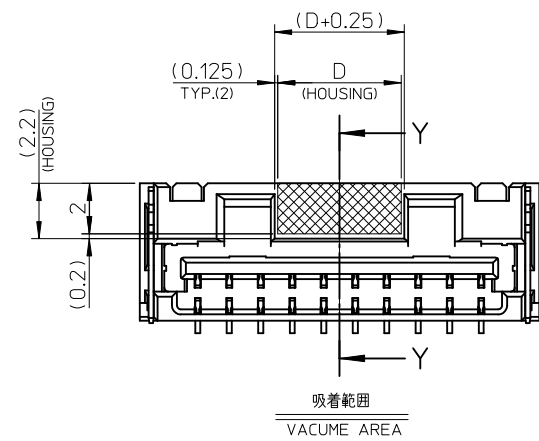
11 CKT.



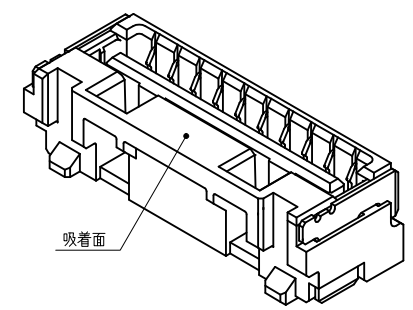
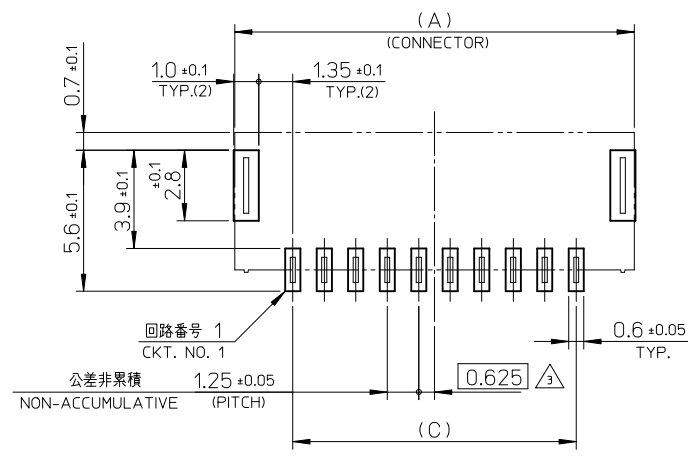
15 CKT.

極数の種類

KIND OF CKT. NO. (FRONT VIEW)



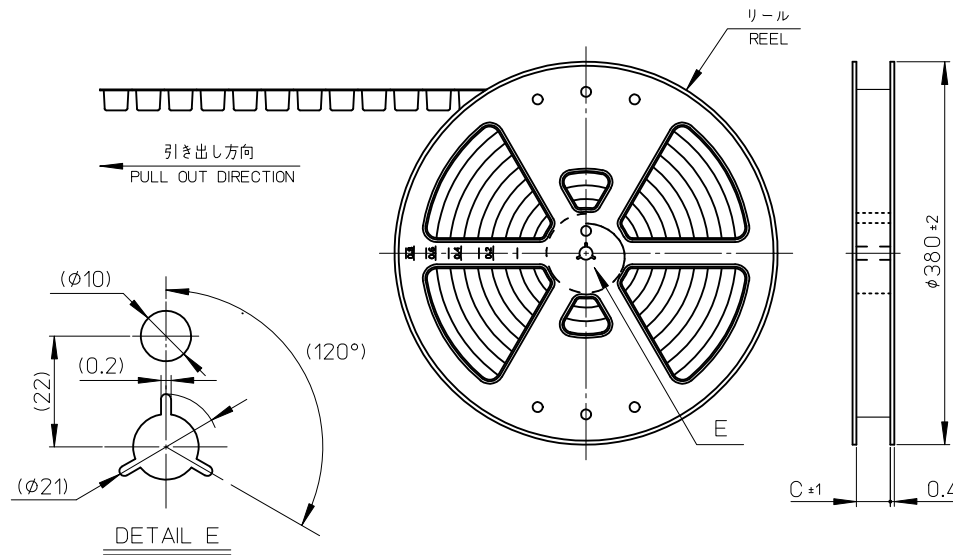
SECTION Y-Y



基板パターンレイアウト (参考)

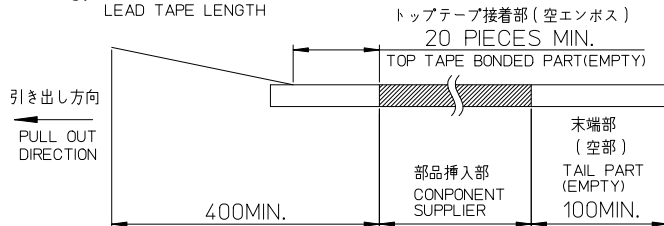
RECOMMENDED P.C.B. PATTERN LAYOUT (REF.)

REVISED EC NO: J2010-2024 DRWN: YGOTO CHKD: K. ASAKAWA APPR: NUKITA D	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
				MM ONLY		5:1	METRIC			
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 1.25 W/B CONN. SINGLE S/T REC. ASS'Y 8-15CKT.				
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE					
		30 OVER	±0.3	APPROVED BY	DATE	MOLEX INCORPORATED				
	ANGULAR ±3 °		YO. ITO	2006/08/28	MOLEX					
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.					SHEET NO.
SEE TABLE			SD-502382-002					2 OF 3		
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

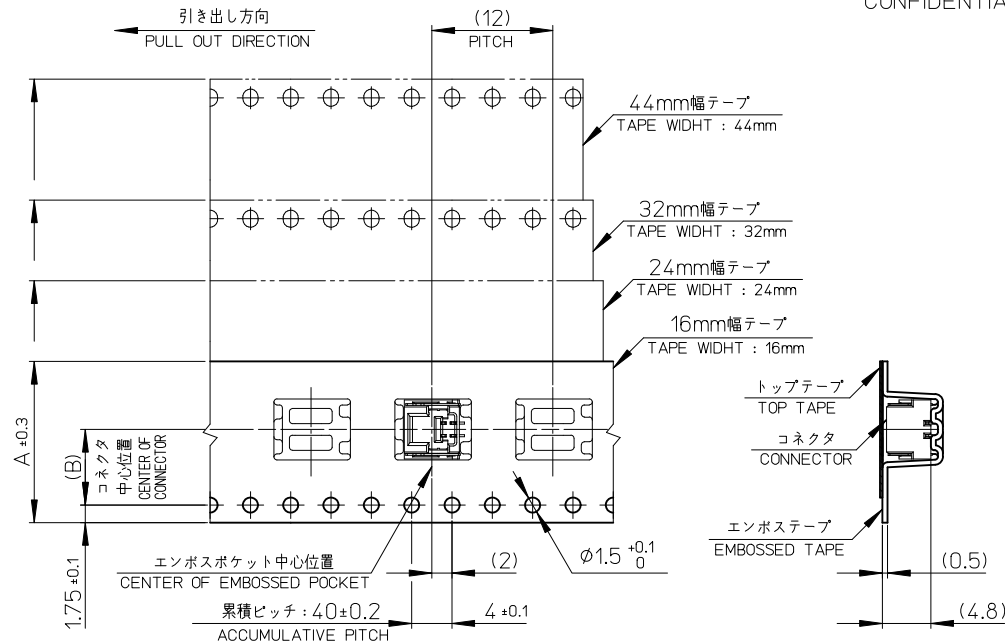


NOTES

- 製品詳細寸法については、SD-502382-001, -002 を参照下さい。
PLEASE REFER TO SD-502382-001, -002 FOR THE DETAILED DIMENSION OF THE CONNECTOR.
- 梱包数量 : 1400個
NUMBER OF CONNECTIONS : 1400 PIECES/REEL.
- リードテープ長さ
LEAD TAPE LENGTH



- 材料
MATERIAL
キャリアテープ : ポリスチレン
CARRIER TAPE : POLYSTYRENE
トップテープ : ポリエステル、ポリエチレン、ポリエチレンテレフタレート
TOP TAPE : POLYESTER, POLYETHYLENE, POLYETHYLENE TEREPHTHALATE
リール : ポリスチレン <リサイクル材を含む>
REEL : POLYSTYRENE <RECYCLE MATERIAL CONTAINED>
- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT



45.5	20.2	44	502382-15**	15
45.5	20.2	44	502382-14**	14
33.5	14.2	32	502382-13**	13
33.5	14.2	32	502382-12**	12
33.5	14.2	32	502382-11**	11
33.5	14.2	32	502382-10**	10
25.5	11.5	24	502382-09**	9
25.5	11.5	24	502382-08**	8
25.5	11.5	24	502382-07**	7
25.5	11.5	24	502382-06**	6
25.5	11.5	24	502382-05**	5
25.5	11.5	24	502382-04**	4
17.5	7.5	16	502382-03**	3
17.5	7.5	16	502382-02**	2
C	B	エンボステープ幅 A WIDTH OF TAPE	製品番号 MATERIAL NO.	極数 (XT. NO.)

REVISED	EC NO: J2010-2024 DRWN: YGOTO CHKD: K. ASAKAWA APPR: NUKITA	2010/04/07 2010/04/12 2010/04/13	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
				10 UNDER	± 0.2	DRAWN BY	DATE	TITLE 1.25 W/B CONN. SINGLE S/T REC. EMBTP PKG				
				10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE					
				30 OVER	± 0.3	APPROVED BY	DATE				 MOLEX INCORPORATED	
				ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-502382-003				1 OF 2
				D	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						