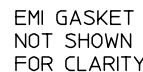
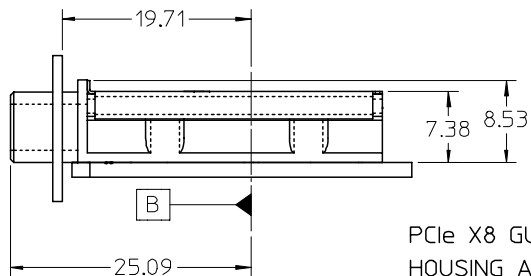


1. REF. PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION, REV 1.0a FOR IO BRACKET WINDOW LOCATION.
2. PCB AND IO BRACKET SHOWN FOR REFERENCE ONLY.
3. REFER TO SHEET 2 FOR ATCA GUIDE HOUSING ASSY. SEE SHEET 3 FOR SCREEN LENGTH + TORQUE SPEC.
4. GUIDE HOUSING MOUNTING THREAD= M2 X 0.4
5. PCB NOTCH IS SHOWN FOR PCI COMPLIANT BOARD.
6. THIS PRODUCT MEETS THE RESTRICTIONS OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)
7. PLATE GROUND PAD WITH EMERSION SILVER OR GOLD.
8. MATES WITH MOLEX 8X CABLE SERIES 74546-080X.
9. GUIDE HOUSING PEGS FOR ALIGNMENT ONLY.
"DO NOT SOLDER"

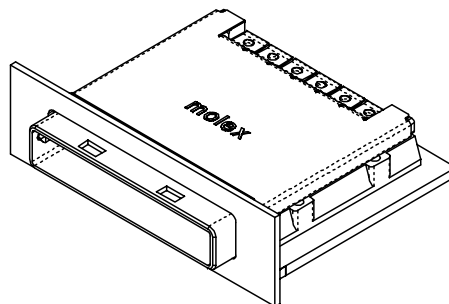
PCIe EXPANSION CARD
APPLICATION SHOWN
USING 1 DEGREE
GUIDE HOUSING ASSEMBLY



ib_frame_B_P_AM_T
Rev. D 2004/06/28

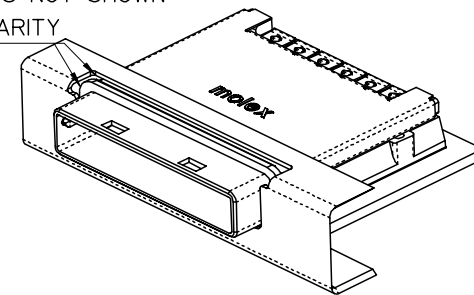


PCIe X8 GUIDE
HOUSING ASSEMBLY



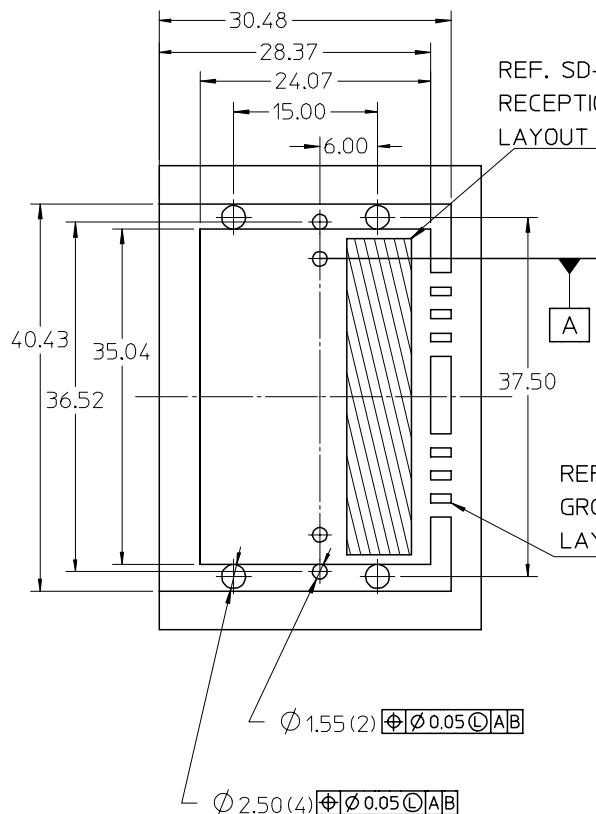
STANDARD APPLICATION SHOWN
USING 0 DEG GUIDE HOUSING ASSEMBLY

GASKETS NOT SHOWN
FOR CLARITY



ADVANCED TCA APPLICATION
USING 0 DEG GUIDE
HOUSING ASSEMBLY

iPass™ is a trademark of Molex



REF. SD-75586-001 FOR
RECEPTAL AND PCB
LAYOUT INFORMATION

REF. SHEET 3 FOR
GROUND PAD ALLEY
LAYOUT INFORMATION



ENTER DESCRIPTION EC NO: USY2007-0168 DRWN: SNAVARRO CHKD: BREED APPR: DDOYE	REV	DESCRIPTION 2006/11/08 2006/11/13 2006/11/14	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						DRAWN BY BREED	DATE 2004/11/11	TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY			
						CHECKED BY	DATE				
						DDOYE	2004/11/11				
						APPROVED BY	DATE				
						DDOYE	2004/11/11				
						MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-74540-100		2 OF 3	
						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

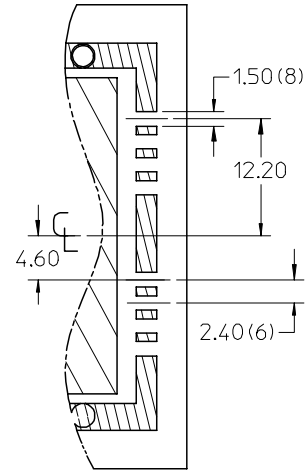
3

2

74540

P/N	DESC	GEN
745400100	8x EMI Guide Housing Assembly - PCIe / 1 Deg	Gen 1
745400200	8x EMI Guide Housing Assembly - ATCA / 0 Deg	Gen 1

PCB THICKNESS	SCREW LENGTH	TORQUE (IN LBS)
1.6 (.063")	5MM	2.3
2.38 (.093")	6MM	2.3
3.2 (.125")	6MM	2.3
	+4MM MAX	2.3



PARTIAL1

SCALE 2:1

GROUND PAD ALLEY
LAYOUT INFORMATION

ENTER DESCRIPTION EC NO: USY2007-0168 DRWN: SNAVARRO 2006/11/08 CHKD: BREED 2006/11/13 APPR: DDOYE 2006/11/14 REV	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY				
		mm	INCH	DRAWN BY BREED	DATE 2004/11/11	MOLEX INCORPORATED							
		4 PLACES	± ---	± ---	CHECKED BY DDOYE					DATE 2004/11/11			
		3 PLACES	± ---	± ---	APPROVED BY DDOYE					DATE 2004/11/11			
		2 PLACES	± 0.05	± ---	MATERIAL NO. SEE TABLE					DOCUMENT NO. SD-74540-100	SHEET NO. 3 OF 3		
		1 PLACE	± 0.10	± ---	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			

9

8

7

6

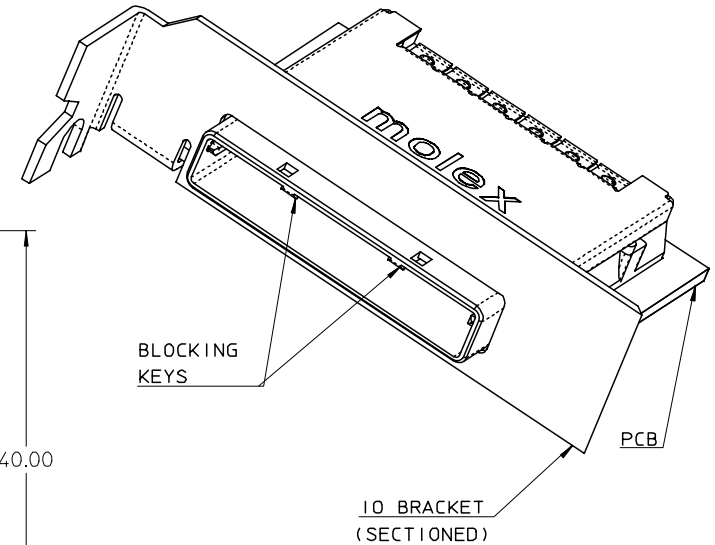
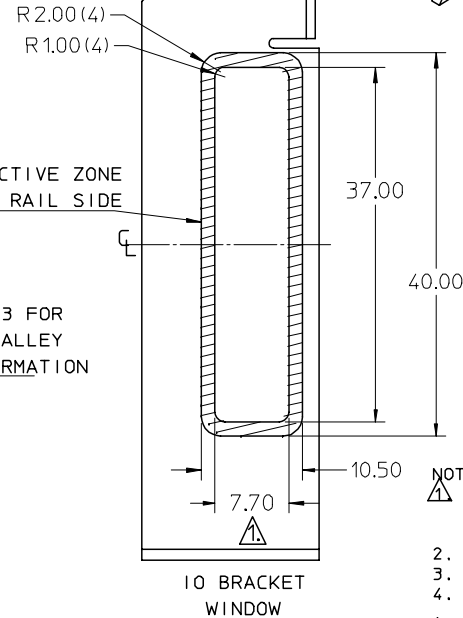
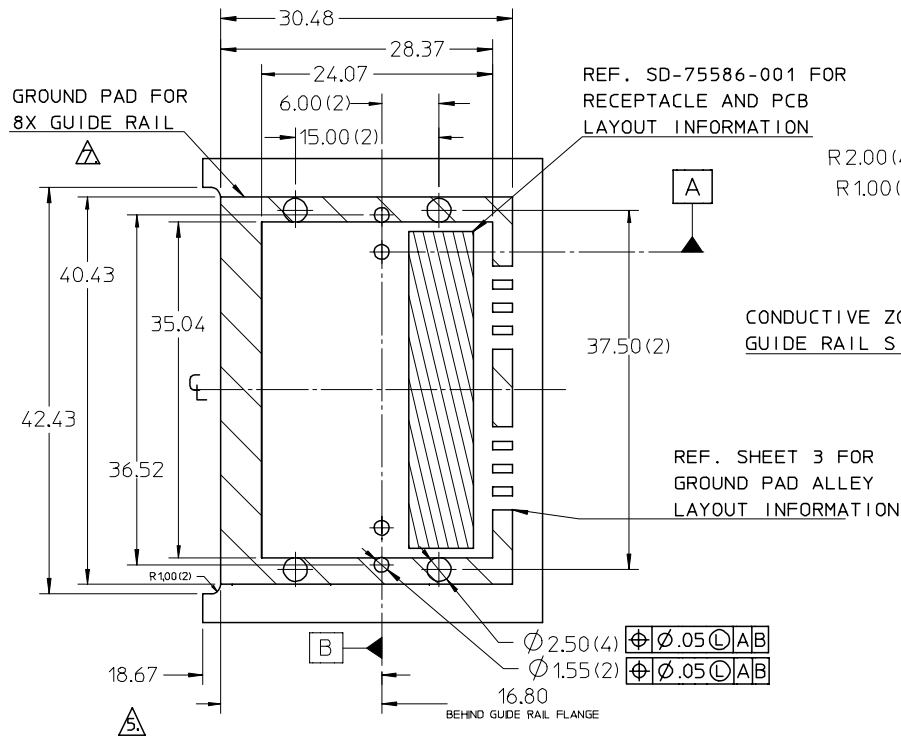
5

4

3

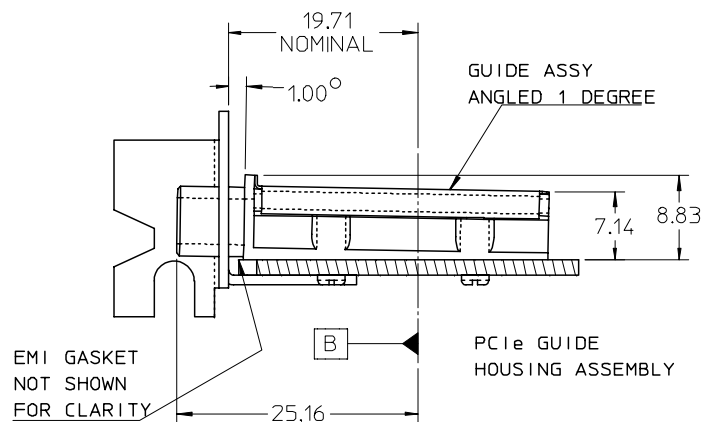
2

1

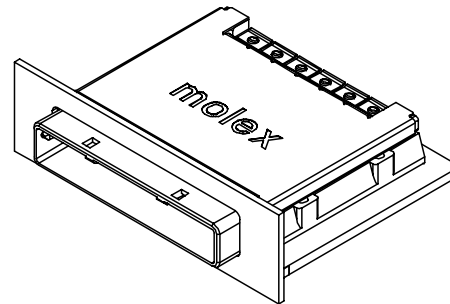
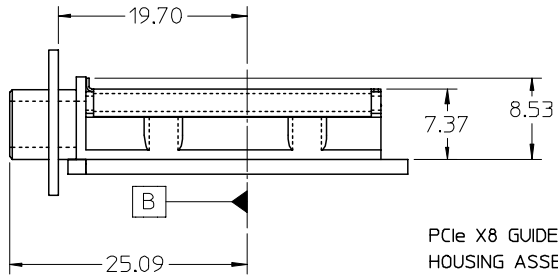


- NOTES:
- REF. PCI EXPRESS CARD ELECTROMECHANICAL SPECIFICATION, REV 1.0a FOR IO BRACKET WINDOW LOCATION.
 - PCB AND IO BRACKET SHOWN FOR REFERENCE ONLY.
 - REFER TO SHEET 2 FOR ATCA GUIDE HOUSING ASSY.
 - GUIDE HOUSING MOUNTING THREAD= M2 X 0.4. SEE SHEET 3 FOR SCREW LENGTH + TORQUE SPEC.
 - PCB NOTCH IS SHOWN FOR PCI COMPLIANT BOARD.
 - THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC).
 - PLATE GROUND PAD WITH EMERSON SILVER OR GOLD.
 - MATES WITH MOLEX 8X CABLE SERIES 74546-080X.
 - GUIDE HOUSING PEGS FOR ALIGNMENT ONLY. DO NOT SOLDER.

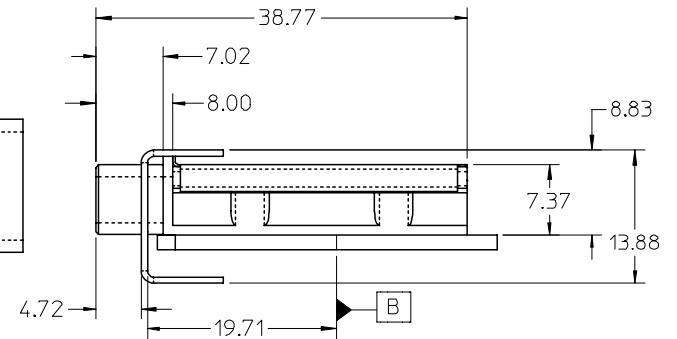
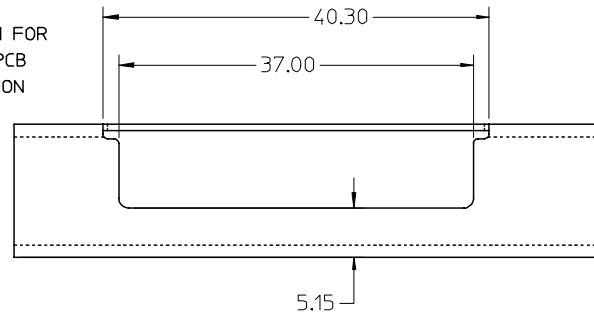
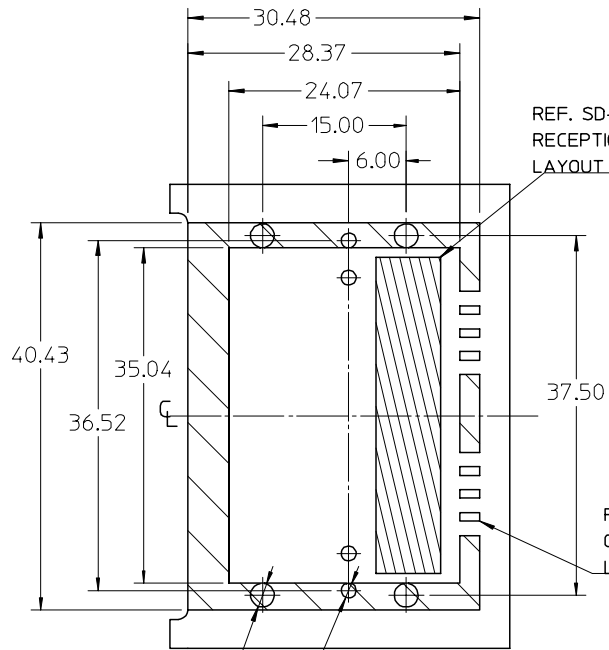
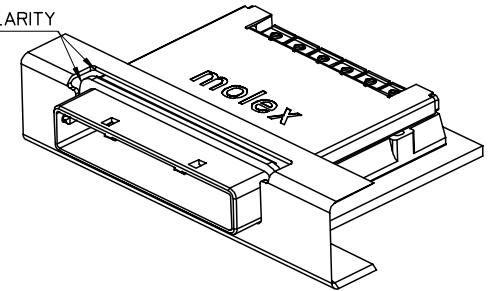
iPass™ is a trademark of Molex



ENTER DESCRIPTION EC NO: USY2007-0306 DRWN: JERWIN CHKD: BREED APPR: DDOYE D	2007/02/16 2007/02/27	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY JERWIN	DATE 2006/05/25	TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/KEYS MOLEX INCORPORATED			
				4 PLACES	± ---	± ---	CHECKED BY BREED	DATE 2006/05/25				
				3 PLACES	± ---	± ---	APPROVED BY DDOYE				DATE 2006/05/25	
				2 PLACES	± 0.05	± ---						
				1 PLACE	± 0.10	± ---						
				ANGULAR ±1/2°		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74540-101			SHEET NO. 1 OF 3	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



GASKETS NOT SHOWN
FOR CLARITY



iPass™ is a trademark of Molex

$\varnothing 1.55(2) \text{ } \Phi \varnothing 0.05 \text{ } \text{AB}$

$\varnothing 2.50(4) \text{ } \Phi \varnothing 0.05 \text{ } \text{AB}$

ENTER DESCRIPTION
EC NO: USY2007-0306
DRWN: JERWIN 2007/02/16
CHKD: BREED 2007/02/19
APPR: DDOYE 2007/02/27

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.10	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
JERWIN	2006/05/25
CHECKED BY	DATE
BREED	2006/05/25
APPROVED BY	DATE
DDOYE	2006/05/25
MATERIAL NO.	SEE TABLE

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1:1	METRIC	THIRD ANGLE PROJECTION
TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/KEYS		
MOLEX MOLEX INCORPORATED		
DOCUMENT NO. SD-74540-101		SHEET NO. 2 OF 3

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

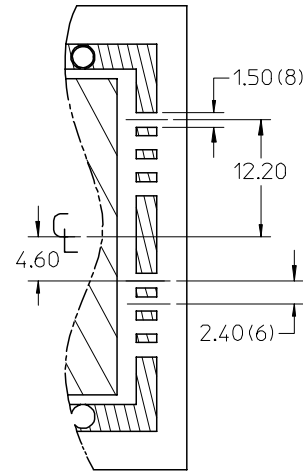
3

2

74540

P/N	DESC	GEN
745400101	8x EMI Guide Housing Assembly - PCIe / 1 Deg	Gen 1
745400201	8x EMI Guide Housing Assembly - ATCA / 0 Deg	Gen 1

PCB THICKNESS	SCREW LENGTH	TORQUE (IN LBS)
1.6 (.063")	5MM	2.3
2.38 (.093")	6MM	2.3
3.2 (.125")	6MM	2.3
X	+4MM MAX	2.3



PARTIAL1

SCALE 2:1

GROUND PAD ALLEY
LAYOUT INFORMATION

ENTER DESCRIPTION EC NO: USY2007-0306 DRWN: JERWIN CHKD: BREED APPR: DDOYE D	REV	DESCRIPTION 2007/02/16 2007/02/19 2007/02/27	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY JERWIN	DATE 2006/05/25	TITLE I-PASS X8 EMI GUIDE HOUSING ASSEMBLY W/KEYS			
				4 PLACES ± ---	± ---	CHECKED BY BREED	DATE 2006/05/25				
				3 PLACES ± ---	± ---	APPROVED BY DDOYE		DATE 2006/05/25	MOLEX INCORPORATED		
				2 PLACES ± 0.05	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-74540-101			SHEET NO. 3 OF 3
				1 PLACE ± 0.10	± ---	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			

9

8

7

6

5

4

3

2

1