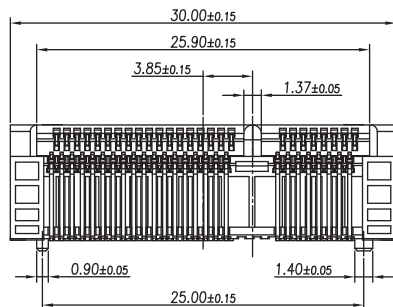
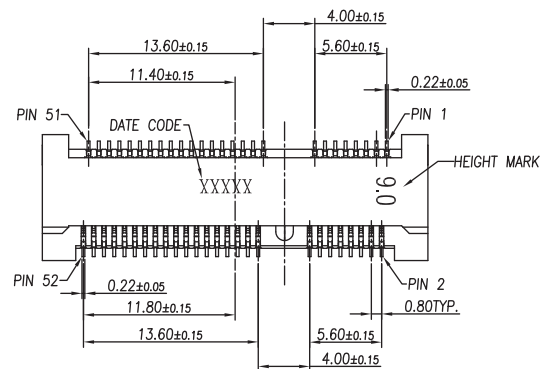


Recommended Module Insertion Angle

Mating Card Support Information

For Part Number, Ordering and PCB Layout Information
On Latch Support Mechanism, Please See Pages 3-4
For Part Number, Ordering and PCB Layout Information
On Standoff Supports, Please See Page 5

NOTES:

Electrical characteristics:

Voltage rating: 50V AC per contact;
Current rating: 0.5 AMP per contact;
Dielectric withstanding voltage: 300V AC RMS (Min);
Insulation resistance: 500 Megohms at 500V DC Min;
Contact resistance: 55 milliohms Max

Material:

Housing: U.L. 94V-0 High Temperature Thermo Plastic, Black
Contact: Copper Alloy
Contact Plating: Specified Gold Thickness In Contact Area,
Tin Plated Solder Tail, All Over 50u" Nickel Subplate
Operating Temperature: -55° ~ 80° C

HOW TO ORDER:

B 0 3 2 - 5 2 5 1 - 1 0 X - Z

OF CIRCUITS: 52

COLOR: 1 - Black

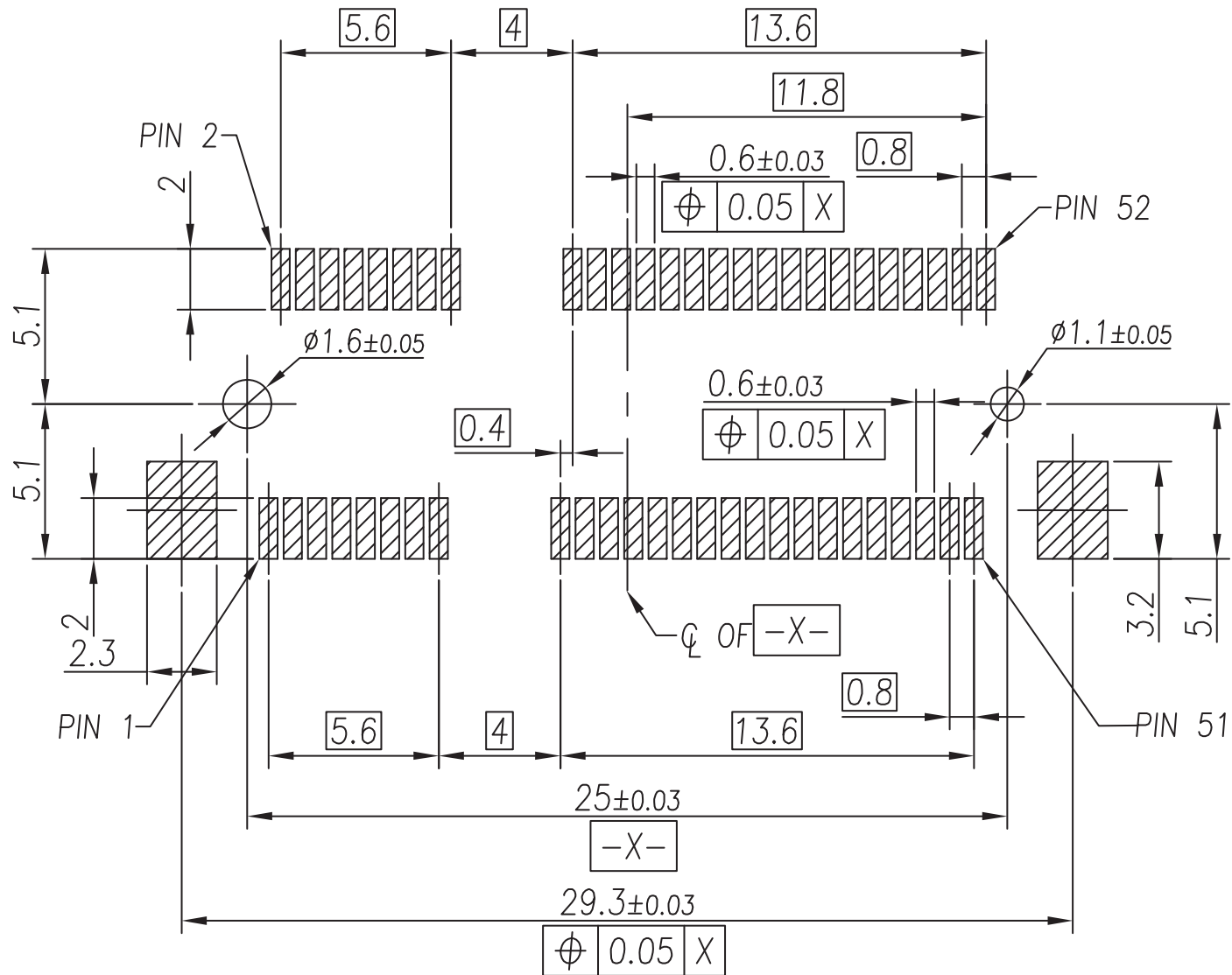
SELECTIVE PLATING: 0 - Gold Flash, 2 - 10u" Gold

RoHS COMPLIANT

Mechanical Specifications:

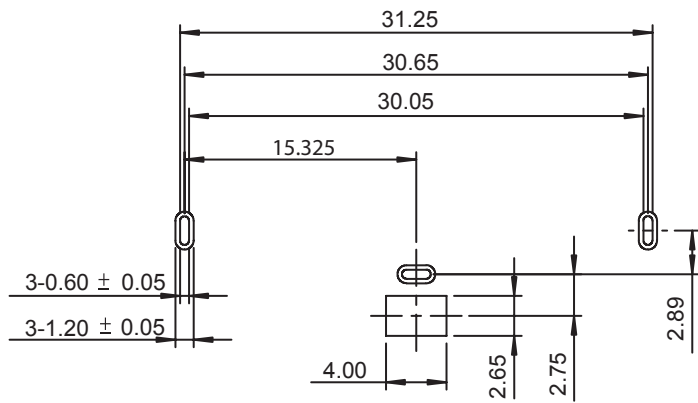
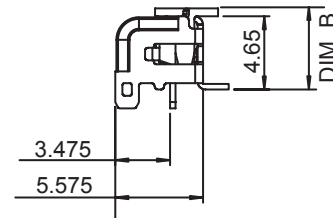
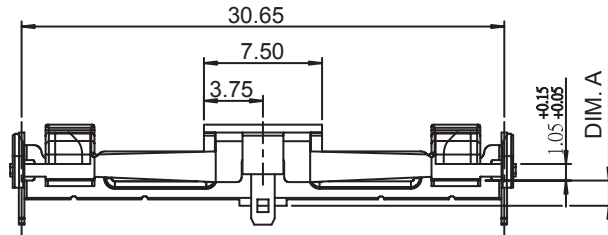
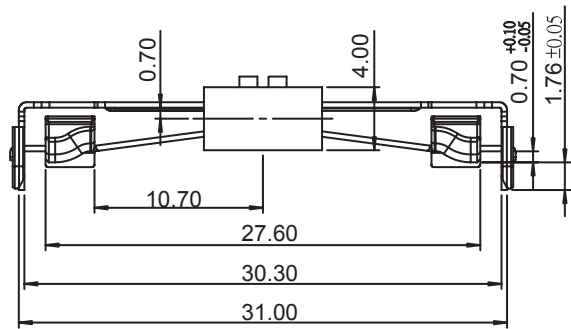
PCB Insertion Force: 2.3kgf Max;
Withdrawal force: 2.3kgf Max;
Durability: Insertion/withdrawl: 50 Cycles

Rev	Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC. PCI Express Mini Card Connector, 9.00mm Height P/N: B032-5251-10X-Z
0 Issued	B.S.	S.M.	S.M.	3/28/07	
A Added Side by Side PCB Layout	B.S.	S.M.	S.M.	08/21/13	
SCALE N/A					Pg: 1/5
TOL. DEC.	.X +/- 0.30	.XX +/- 0.20	.XXX +/- 0.15	ANGLE +/- UNIT: mm	

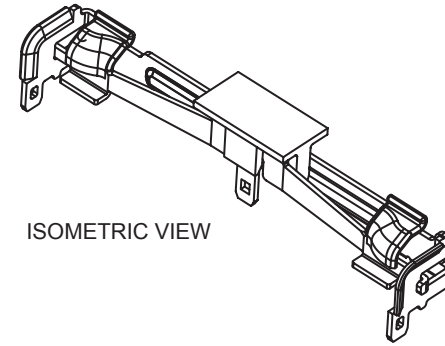


RECOMMENDED P.C. BOARD PATTERN
(SIDE BY SIDE)

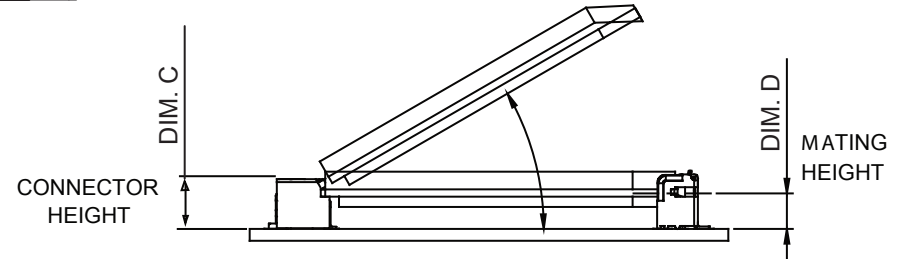
Rev		Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC. PCI Express Mini Card Connector, 9.00mm Height
0	Issued	B.S.	S.M.	S.M.	3/28/07	
A	Added Side by Side PCB Layout	B.S.	S.M.	S.M.	08/21/13	
SCALE N/A						
TOL. DEC.	.X +/- 0.30	.XX +/- 0.20	.XXX +/- 0.15	ANGLE +/-	UNIT: mm	P/N: B032-5251-10X-Z Pg: 2/5



RECOMMENDED PCB LAYOUT



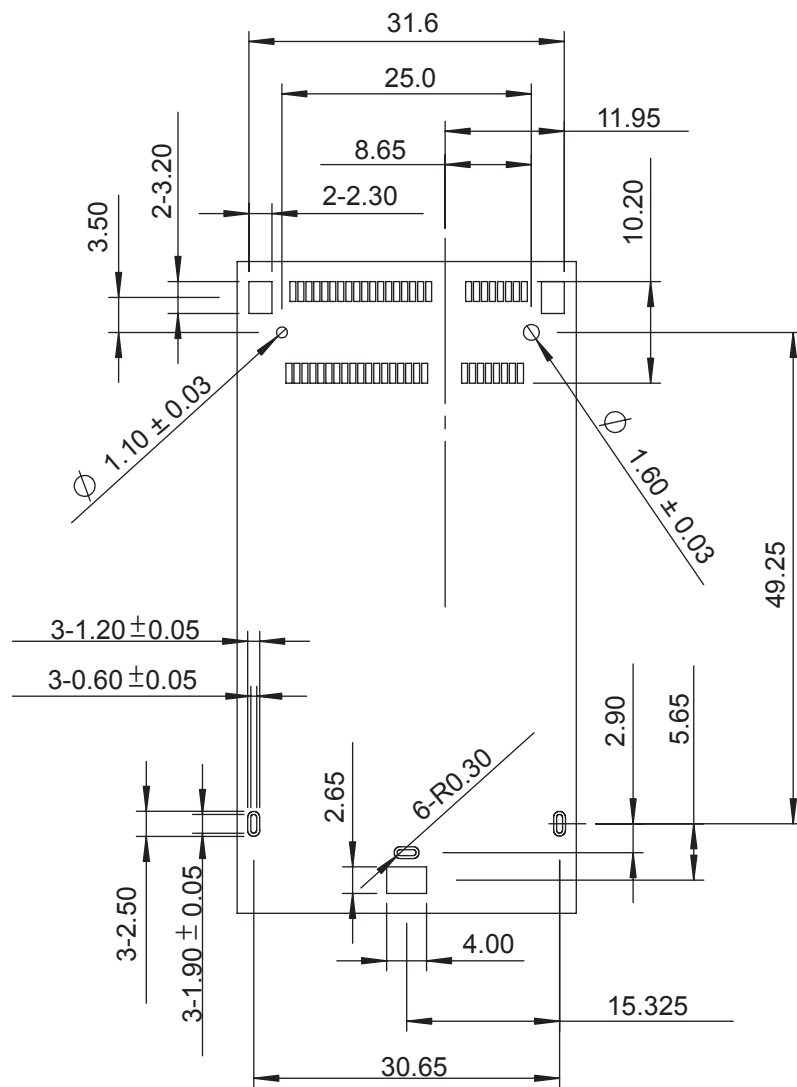
ISOMETRIC VIEW



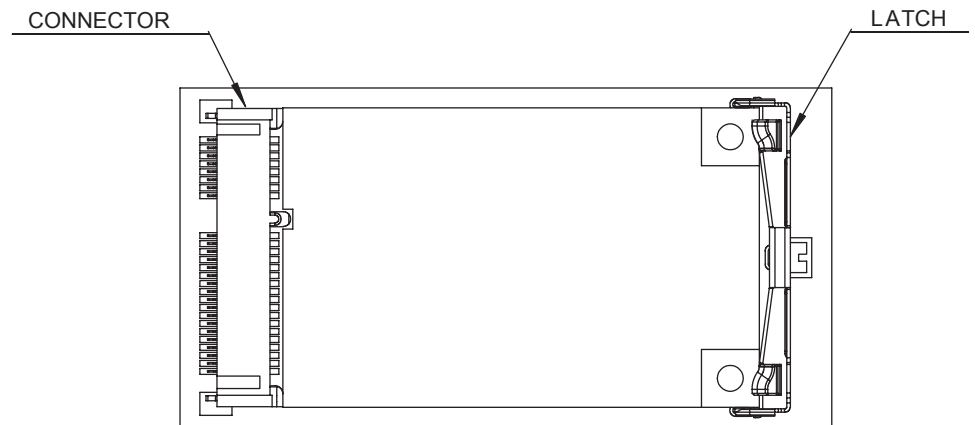
PART NO.	DIM. A +0.05/-0.10	DIM. B +0.20/-0.05	DIM. C CONN. HT.	DIM D MATING HT.
LM1-B032-4.0	1.60	5.15	4.00	2.11
LM1-B032-5.2	2.80	6.35	5.20	3.31
LM1-B032-5.6	3.20	6.75	5.60	3.71
LM1-B032-6.0	3.60	7.15	6.00	4.11
LM1-B032-6.8	4.40	7.95	6.80	4.85
LM1-B032-8.0	5.60	9.15	8.00	6.11
LM1-B032-9.0	6.60	10.15	9.00	7.11
LM1-B032-9.2	6.80	10.35	9.20	7.31
LM1-B032-9.9	7.50	11.05	9.90	8.01

Rev	Drawn	Checked	Approved	Date
0	B.S.	S.M.	S.M.	07/28/12
Scale :N/A				
TOL. DEC.	.X +/- 0.25	.XX +/- 0.15	.XXX +/- 0.10	ANGLE +/-
				UNIT: mm

SMP TECHNOLOGY, INC.	
Latch Mechanism For PCI Express Card Connectors	
P/N: B032-5251-10X-Z	
Pg: 3/5	

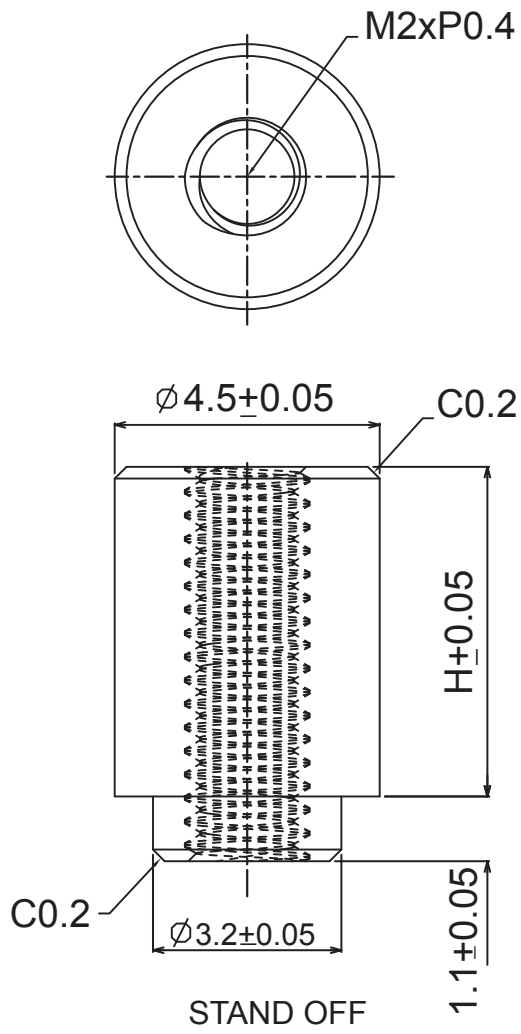


RECOMMENDED PCB LAYOUT FOR USE WITH LATCH MECHANISM



TOP VIEW OF CONNECTOR LATCH MOUNTED ON PCB

Rev		Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC. Latch Mechanism For PCI Express Card Connectors P/N: B032-5251-10X-Z
0	Issued	B.S.	S.M.	S.M.	07/28/12	
Scale :N/A TOL. DEC. .X +/- 0.25 .XX +/- 0.15 .XXX +/- 0.10 ANGLE +/- UNIT: mm						Pg: 4/5

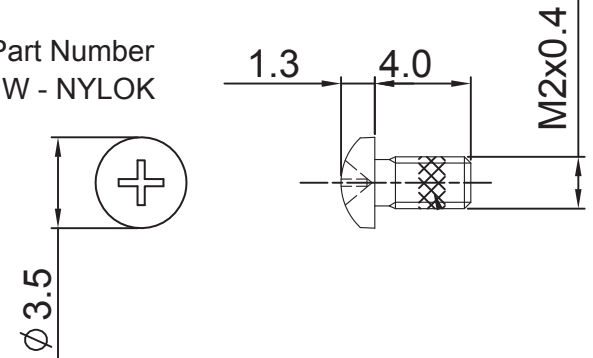


Plating: 100 u" Sn(Min.)

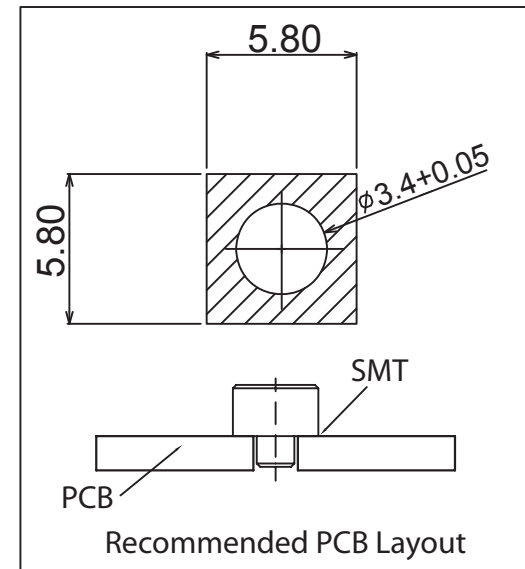
Part Number:
 HW-B032-4.0N
 HW-B032-5.2N
 HW-B032-5.6N
 HW-B032-6.8N
 HW-B032-8.0N
 HW-B032-9.2N
 HW-B032-9.9N
 HW-B032-10.6N

"H" ± 0.1
 1.6
 2.8
 3.2
 4.4
 5.6
 6.8
 7.5
 8.2

Part Number
 HW - NYLOK



Material: Low Carbon Steel C1018
 Plating: Nickel
 General Tolerance ± 0.3



Rev		Drawn	Checked	Approved	Date	SMP TECHNOLOGY, INC.
0	Issued	B.S.	S.M.	S.M.	5/05/10	
						PCI Express Card Hardware / Standoffs
TOL. DEC. .X +/- 0.25 .XX +/- 0.15 .XXX +/- ANGLE +/- UNIT: mm						P/N: B032-5251-10X-Z
						Pg: 5/5