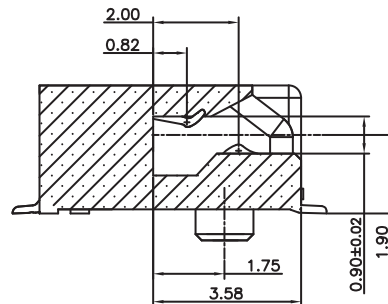
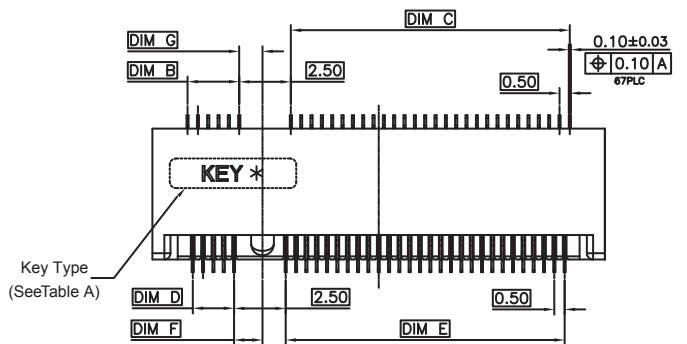
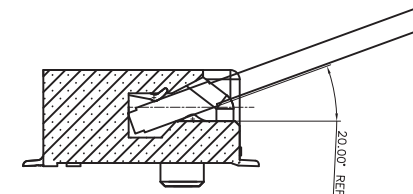
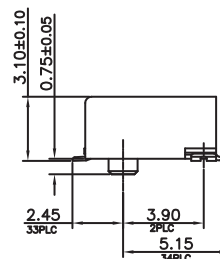
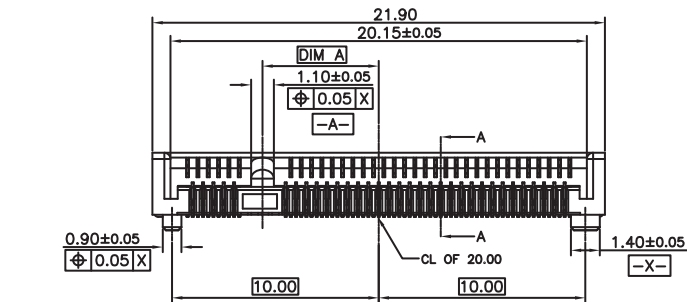


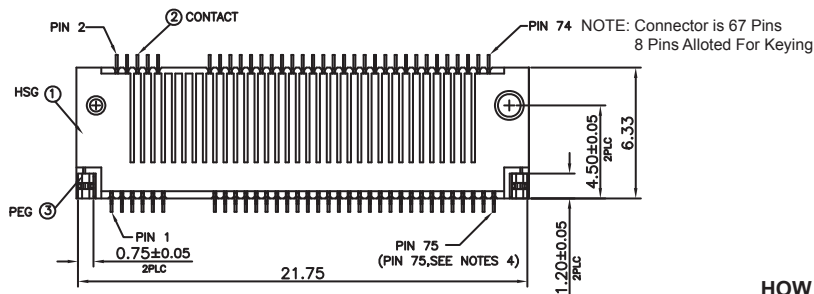
Isometric View



Recommended Card Insertion Angle

Table A : Keying Type & Code

| KEY NAME | CODE NO. | DIM A  | DIM B | DIM C | DIM D | DIM E | DIM F | DIM G |
|----------|----------|--------|-------|-------|-------|-------|-------|-------|
| KEY A    | 00       | 6.625  | 1.5   | 14.5  | 1.0   | 14.5  | 1.375 | 1.125 |
| KEY B    | 01       | 5.625  | 2.5   | 13.5  | 2.0   | 13.5  | 1.375 | 1.125 |
| KEY C    | 02       | 4.625  | 3.5   | 12.5  | 3.0   | 12.5  | 1.375 | 1.125 |
| KEY D    | 03       | 3.625  | 4.5   | 11.5  | 4.0   | 11.5  | 1.375 | 1.125 |
| KEY E    | 04       | 2.625  | 5.5   | 10.5  | 5.0   | 10.5  | 1.375 | 1.125 |
| KEY F    | 05       | 1.625  | 6.5   | 9.5   | 6.0   | 9.5   | 1.375 | 1.125 |
| KEY G    | 06       | -1.125 | 9.0   | 7.0   | 9.0   | 6.5   | 1.125 | 1.375 |
| KEY H    | 07       | -2.125 | 10.0  | 6.0   | 10.0  | 5.5   | 1.125 | 1.375 |
| KEY J    | 08       | -3.125 | 11.0  | 5.0   | 11.0  | 4.5   | 1.125 | 1.375 |
| KEY K    | 09       | -4.125 | 12.0  | 4.0   | 12.0  | 3.5   | 1.125 | 1.375 |
| KEY L    | 10       | -5.125 | 13.0  | 3.0   | 13.0  | 2.5   | 1.125 | 1.375 |
| KEY M    | 11       | -6.125 | 14.0  | 2.0   | 14.0  | 1.5   | 1.125 | 1.375 |



#### HOW TO ORDER:

|                                         |   |   |   |   |   |   |                                                                                    |   |                              |   |                                                                                                       |   |                                                                                                                                                                                                                                                  |   |                                |    |
|-----------------------------------------|---|---|---|---|---|---|------------------------------------------------------------------------------------|---|------------------------------|---|-------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------|----|
| M                                       | 2 | 0 | 0 | - | 0 | 1 | X                                                                                  | X | -                            | 2 | 0                                                                                                     | X | X                                                                                                                                                                                                                                                | - | Z                              | HF |
| NUMBER OF CONTACTS:<br>01 - 67 Contacts |   |   |   |   |   |   | KEY TYPE CODE<br>01 thru 11<br>See Table A (2nd Column)<br>Example: Key M Code =11 |   | HEIGHT OPTION:<br>2 - 3.10mm |   | CONTACT AREA PLATING:<br>0 - Full Au Flash<br>1 - 5µ" Au<br>2 - 10µ" Au<br>3 - 15µ" Au<br>4 - 30µ" Au |   | PACKAGING:<br>0 - Insertion Slot Forward<br>32mm Carrier Tape Width<br>1 - Insertion Slot Forward<br>44mm Carrier Tape Width<br>2 - Insertion Slot Backward<br>32mm Carrier Tape Width<br>4 - Insertion Slot Backward<br>44mm Carrier Tape Width |   | RoHS COMPLIANT<br>HALOGEN FREE |    |

#### MATERIAL:

HOUSING: High Temp Thermo Plastic UL94V-0, Black  
 SOLDER LATCH (PEG): Stainless Steel; 80u" Matte tin plating  
 over 50 u: Nickel  
 CONTACT: Copper Alloy  
 CONTACT PLATING: Specified Au Thickness in Contact Area  
 50u" Nickel Sub-Plate ; Au flash plating on solder tails.  
 See Contact Area Plating Option



LEAD FREE



| Rev                                | Drawn                       | Checked | Approved | Date | SMP TECHNOLOGY, INC. |                               |
|------------------------------------|-----------------------------|---------|----------|------|----------------------|-------------------------------|
| 0                                  | Issued                      | B.S.    | S.M.     | S.M. | 01/28/15             | NGFF Connector ; 3.1mm Height |
| A                                  | Updated Card Module Lengths | B.S.    | S.M.     | S.M. | 10/13/16             |                               |
|                                    |                             |         |          |      |                      |                               |
| TOL. DEC. .X +/- 0.25 .XX +/- 0.15 |                             |         |          |      |                      | P/N: M200-01XX-20XX-ZHF       |
| ANGLE +/- 3° UNIT: mm              |                             |         |          |      |                      | Pg: 1 of 3                    |

# Card Module PCB Layout

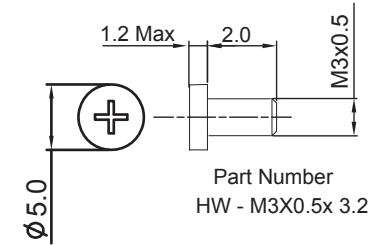
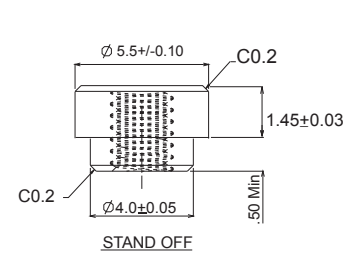
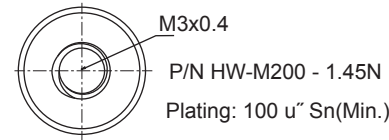
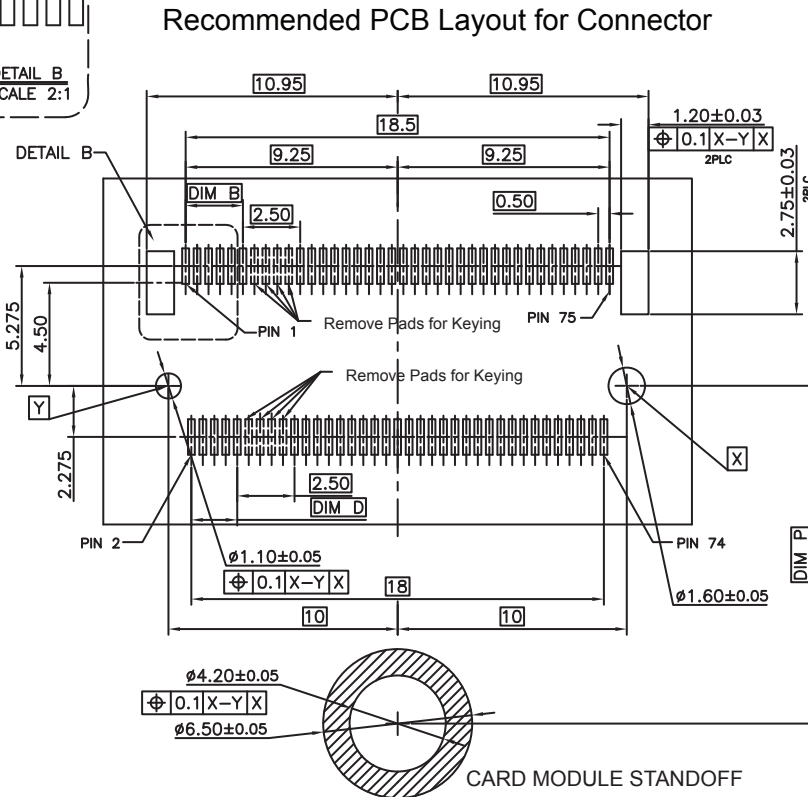
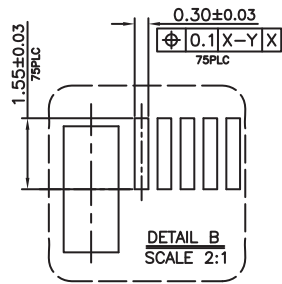
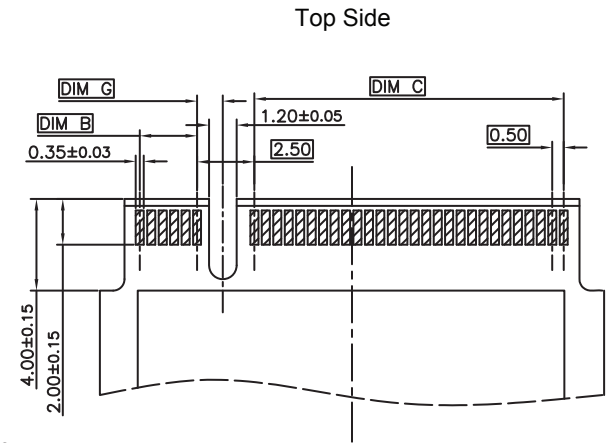
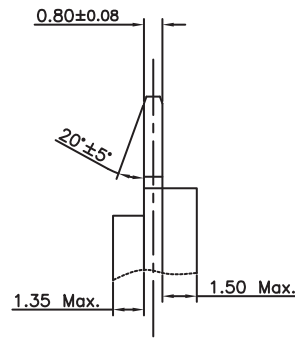
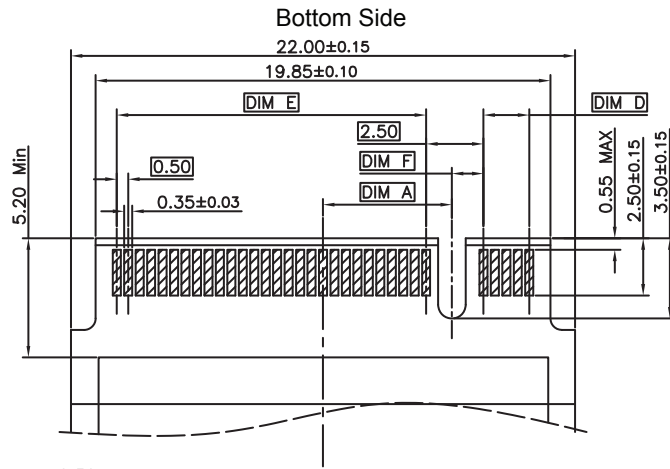


Table A : Keying Type & Code

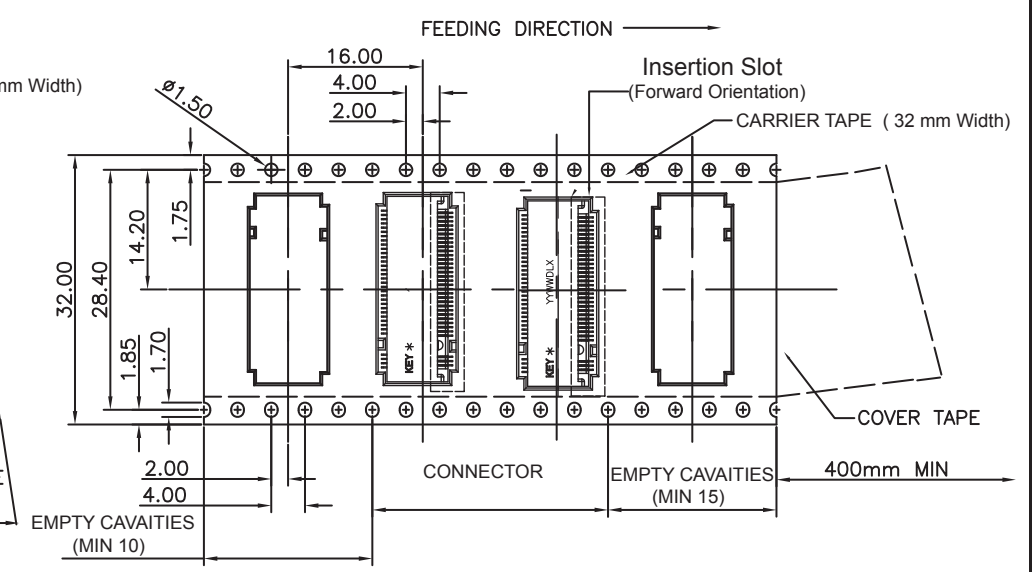
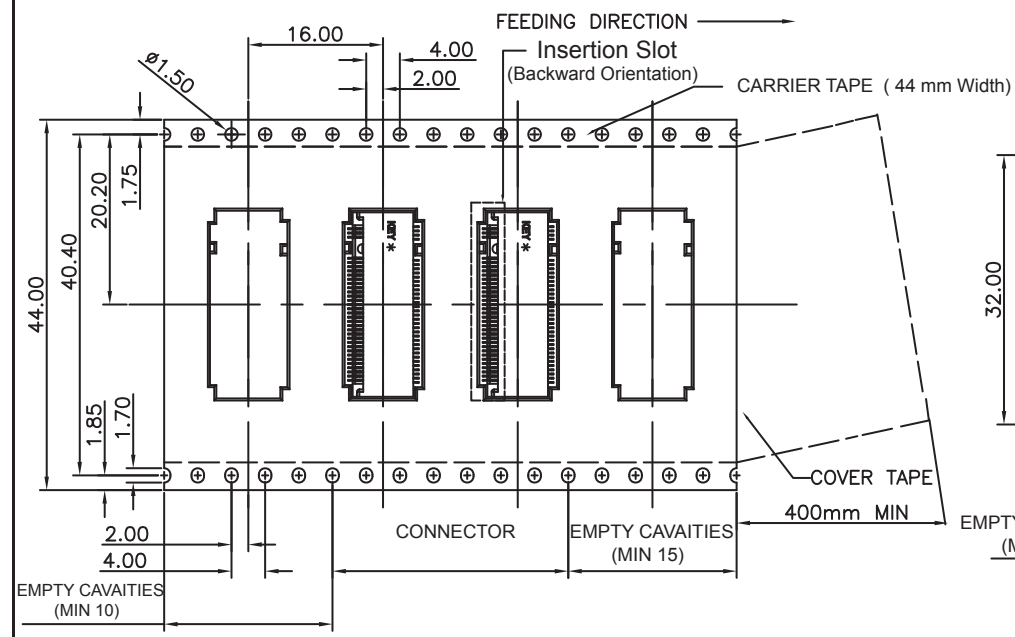
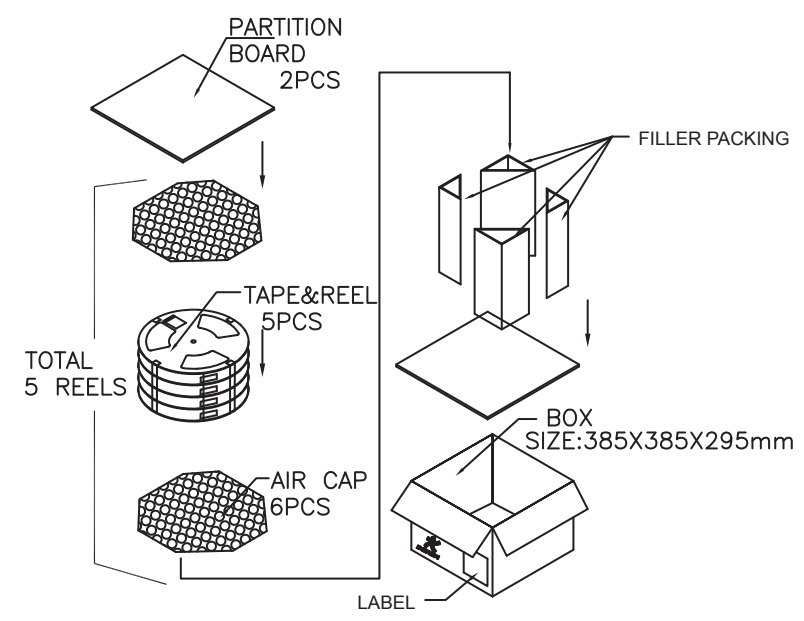
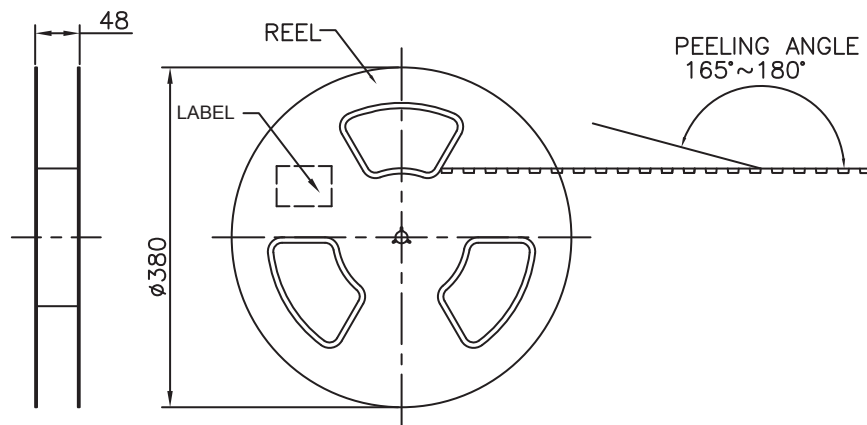
| KEY NAME | CODE NO. | DIM A  | DIM B | DIM C | DIM D | DIM E | DIM F | DIM G |
|----------|----------|--------|-------|-------|-------|-------|-------|-------|
| KEY A    | 00       | 6.625  | 1.5   | 14.5  | 1.0   | 14.5  | 1.375 | 1.125 |
| KEY B    | 01       | 5.625  | 2.5   | 13.5  | 2.0   | 13.5  | 1.375 | 1.125 |
| KEY C    | 02       | 4.625  | 3.5   | 12.5  | 3.0   | 12.5  | 1.375 | 1.125 |
| KEY D    | 03       | 3.625  | 4.5   | 11.5  | 4.0   | 11.5  | 1.375 | 1.125 |
| KEY E    | 04       | 2.625  | 5.5   | 10.5  | 5.0   | 10.5  | 1.375 | 1.125 |
| KEY F    | 05       | 1.625  | 6.5   | 9.5   | 6.0   | 9.5   | 1.375 | 1.125 |
| KEY G    | 06       | -1.125 | 9.0   | 7.0   | 9.0   | 6.5   | 1.125 | 1.375 |
| KEY H    | 07       | -2.125 | 10.0  | 6.0   | 10.0  | 5.5   | 1.125 | 1.375 |
| KEY J    | 08       | -3.125 | 11.0  | 5.0   | 11.0  | 4.5   | 1.125 | 1.375 |
| KEY K    | 09       | -4.125 | 12.0  | 4.0   | 12.0  | 3.5   | 1.125 | 1.375 |
| KEY L    | 10       | -5.125 | 13.0  | 3.0   | 13.0  | 2.5   | 1.125 | 1.375 |
| KEY M    | 11       | -6.125 | 14.0  | 2.0   | 14.0  | 1.5   | 1.125 | 1.375 |

Card Module Length

| MODULE TYPE | DIM P  |
|-------------|--------|
| 3030        | 28.25  |
| 3042        | 40.25  |
| 2230        | 28.25  |
| 2242        | 40.25  |
| 2260        | 58.25  |
| 2280        | 78.25  |
| 22110       | 108.25 |

SMP TECHNOLOGY, INC.

NGFF Connector ; 3.1mm Height



**SMP TECHNOLOGY, INC.**

NGFF Connector ; 3.1mm Height