

PART NUMBER SCHEME:

10159558-X XX X X X X X F

LEAD FREE

| X | POWER POSITION |
|---|----------------|
| 2 | 1+1            |
| 4 | 2+2            |
| 6 | 3+3            |
| 8 | 4+4            |
| A | 5+5            |

| XX | SIGNAL POSITION |
|----|-----------------|
| 06 | 2X3             |
| 08 | 2X4             |
| 10 | 2X5             |
| 20 | 2X10            |
| 30 | 2X15            |
| 40 | 2x20            |
| ** | ***             |
| A4 | 2X70            |

| X                           | FOR RECEPTACLE, SEE DWG. NO. 10159559 |          |          |          |
|-----------------------------|---------------------------------------|----------|----------|----------|
| COMBINATION OF MATED HEIGHT | HEADER 1                              | HEADER 2 | HEADER 3 | HEADER 4 |
| HEIGHT: 1.3                 |                                       |          |          |          |
| HEIGHT: 2.3                 |                                       |          |          |          |
| HEIGHT: 3.3                 |                                       |          |          |          |
| HEIGHT: 4.3                 |                                       |          |          |          |
| RECEPTACLE 1                |                                       |          |          |          |
| HEIGHT: 3.7                 |                                       |          |          |          |
| RECEPTACLE 2                |                                       |          |          |          |
| HEIGHT: 7.7                 |                                       |          |          |          |
| RECEPTACLE 3                |                                       |          |          |          |
| HEIGHT: 11.7                |                                       |          |          |          |
| RECEPTACLE 4                |                                       |          |          |          |
| HEIGHT: 15.7                |                                       |          |          |          |

| X | CONTACT AREA PLATING    |
|---|-------------------------|
| 1 | GOLD 0.05um MIN         |
| 2 | GOLD OR GXT 0.2um MIN   |
| 3 | GOLD OR GXT 0.375um MIN |
| 4 | GOLD OR GXT 0.75um MIN  |

| X | POLARIZATION PEG/ DATE CODE    |
|---|--------------------------------|
| L | WITH PEG/ WITHOUT DATE CODE    |
| P | WITH PEG/ WITH DATE CODE       |
| C | WITH PEG/ CUSTOMIZED DATE CODE |
| M | WITHOUT PEG/ WITHOUT DATE CODE |
| N | WITHOUT PEG/ WITH DATE CODE    |

| X | SOLDER TAIL PLATING: |            |
|---|----------------------|------------|
|   | POWER PIN            | SIGNAL PIN |
| 1 | GOLD FLASH           | TIN        |
| 2 | GOLD FLASH           | GOLD FLASH |

| X | PACKAGING                    |
|---|------------------------------|
| R | T&R WITH PICK UP FEATURE     |
| T | TUBE WITHOUT PICK UP FEATURE |
| Q | T&R WITHOUT PICK UP FEATURE  |

| PICK UP FEATURE | DESCRIPTION                      |
|-----------------|----------------------------------|
| MYLAR           | SIGNAL POSITION LESS THAN 40 POS |
| METAL CAP       | SIGNAL POSITION MORE THAN 40 POS |

- NOTES:
- MATERIAL:
    - HOUSING: THERMOPLASTICNOTES, NATURAL.
    - SIGNAL CONTACT: COPPER ALLOY
    - POWER CONTACT: COPPER ALLOY
    - HOLD DOWN: COPPER ALLOY
  - PLATING:
    - UNDER PLATING 1-3um NI UNDER PLATING;
    - CONTACT AREA: ACCORDING TO PART NUMBER;
    - SOLDER TAIL:
      - SIGNAL CONTACT:ACCORDING TO PART NUMBER;
      - POWER CONTACT:ACCORDING TO PART NUMBER;
      - HOLD DOWN:TIN PLATING.
  - PRODUCT SPEC GS-12-1675;
  - APPLICATION SPEC GS-20-0696
  - THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A IR REFLOW SOLDERING APPLICATION.
  - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.

DATE CODE:XXXXXX

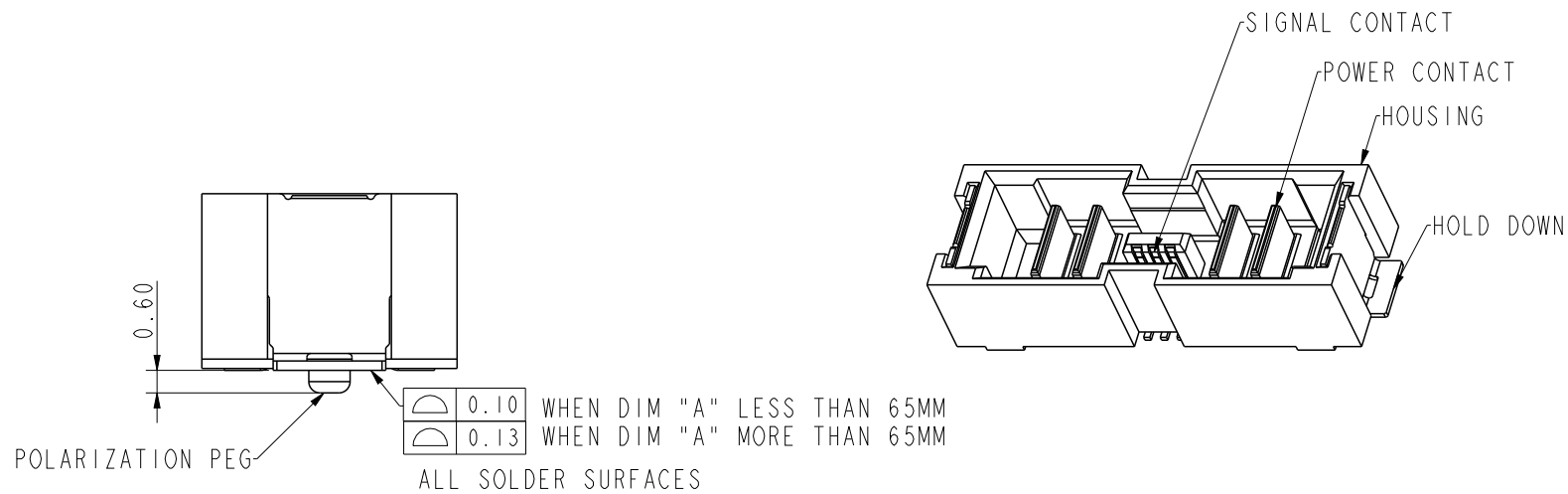
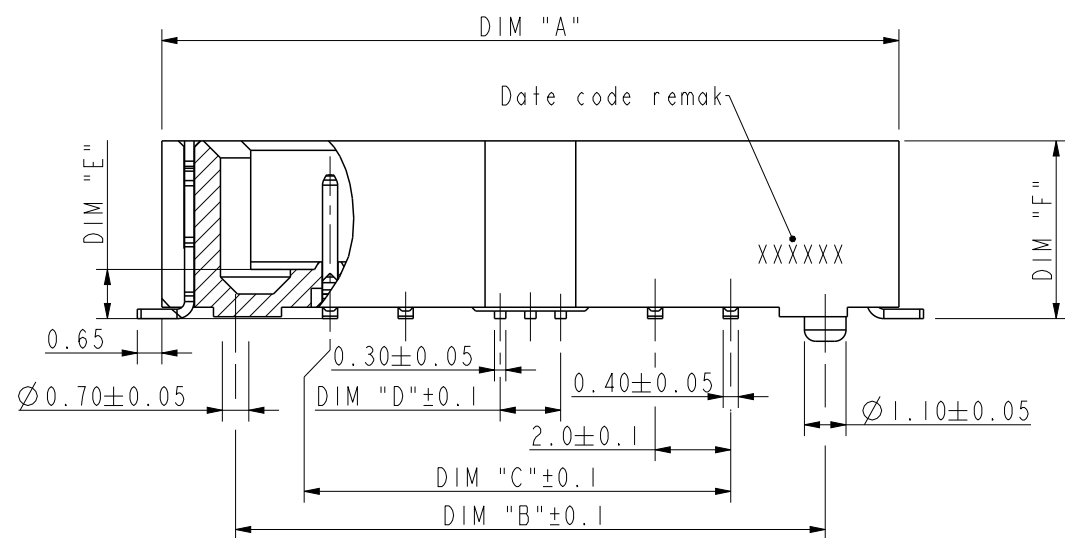
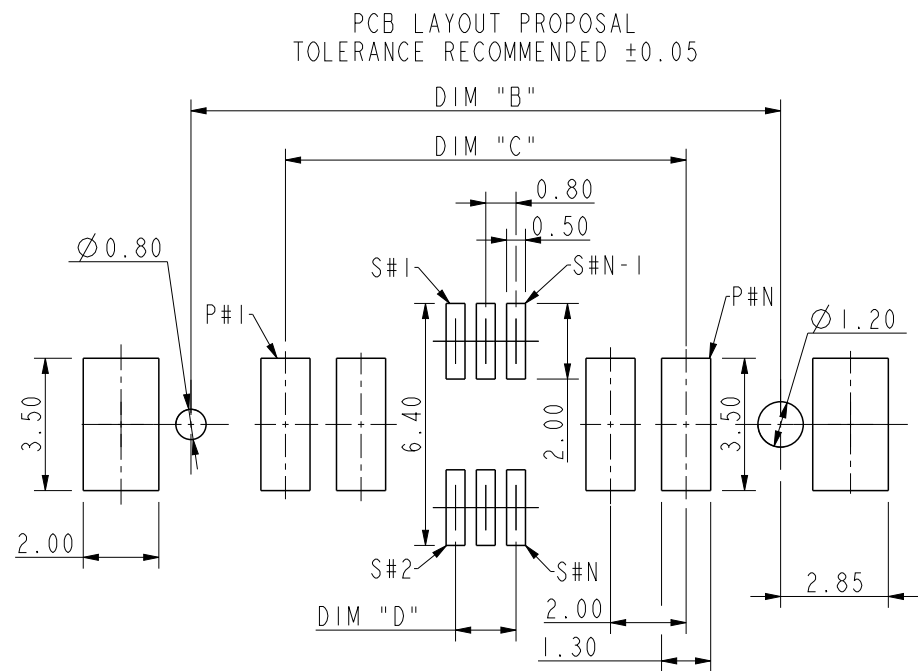
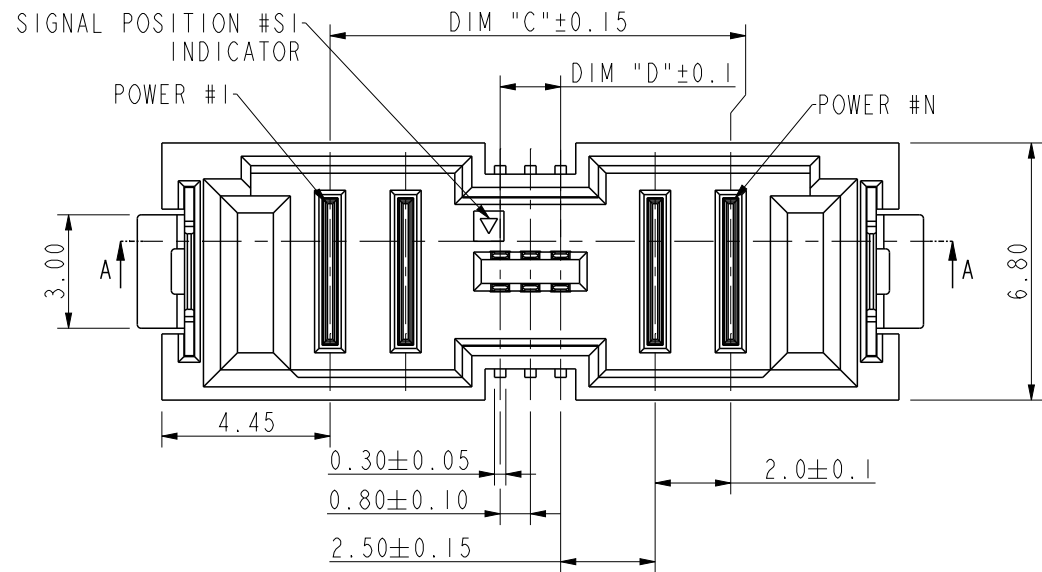
DAY (01~32)  
MONTH (01~12)  
YEAR (00~99)

|               |      |             |              |                |                     |          |                        |              |          |
|---------------|------|-------------|--------------|----------------|---------------------|----------|------------------------|--------------|----------|
| spec ref      | dr   | Li-Qing Lei | 2021/03/25   | projection     | mm                  | size     | A3                     | scale        | 1:1      |
| tolerance std | eng  | Li-Qing Lei | 2021/05/14   | chr            | -                   | ecn no   | ELX-N-40752-1          | rel level    | Released |
| surface       | appr | Tim Yao     | 2021/05/17   | product family | HEADER              | dwg no   | 10159558               | rev          | B        |
| linear        | 0.X  | ±0.5        | Amphenol FCI | +              | ComboStak Connector | cat. no. | Product - Customer Drw | sheet 1 of 3 |          |
| angular       | 0°   | ±2°         |              |                |                     |          |                        |              |          |

HEADER 1/2/3/4

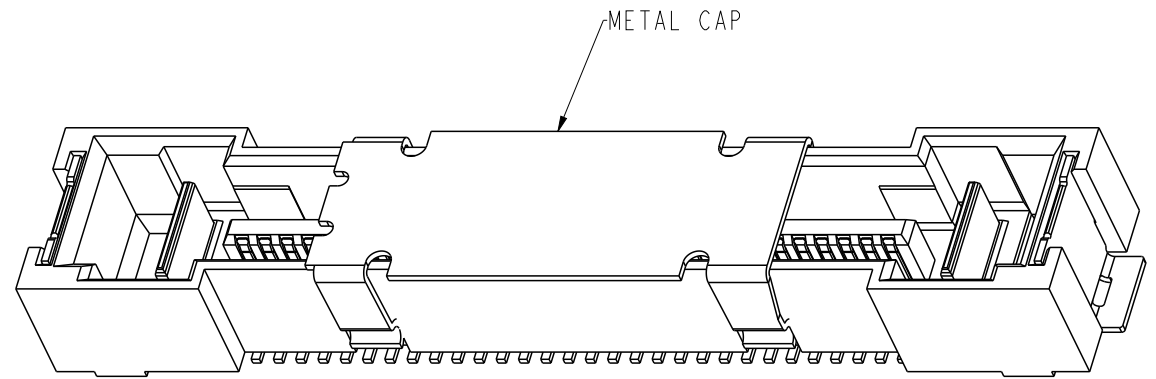
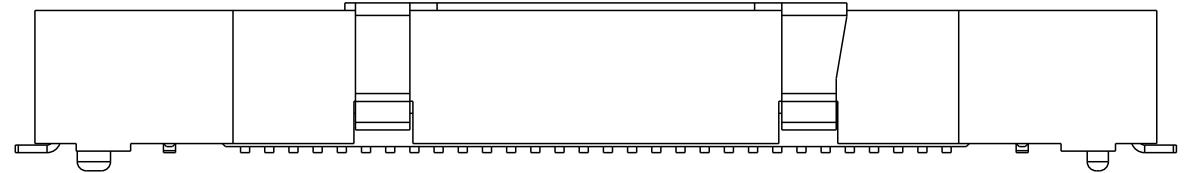
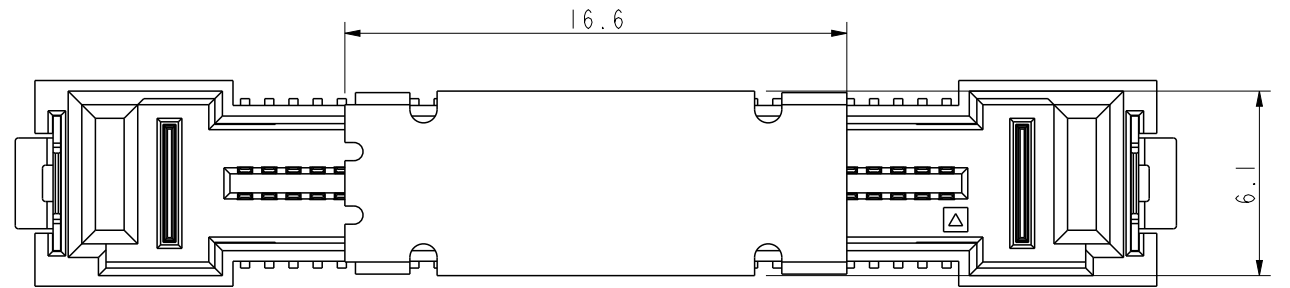
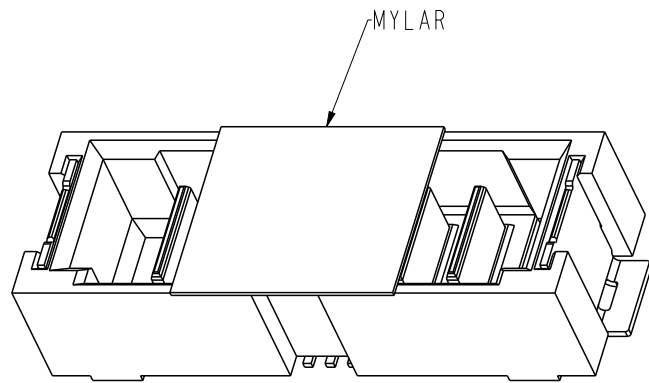
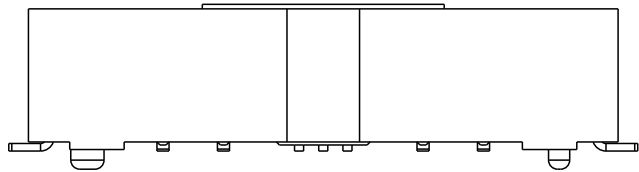
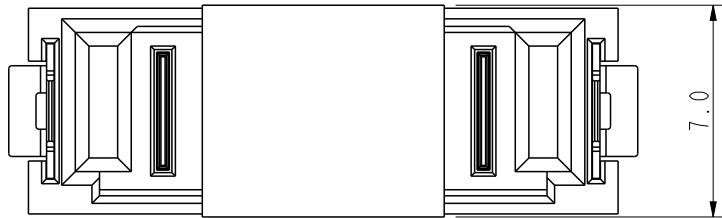
| Dimension | Computational Formula   |
|-----------|---|
| DIM "A"   | (SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 11.9 |
| DIM "B"   | (SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 8    |
| DIM "C"   | (SIGNAL POSITION / 2 - 1) X 0.8 + (POWER POSITION - 1) X 2 + 3    |
| DIM "D"   | (SIGNAL POSITION / 2 - 1) X 0.8                                   |




| PRODUCT  | DIM "E" | DIM "F" |
|----------|---------|---------|
| HEADER 1 | 1.3     | 4.7     |
| HEADER 2 | 2.3     | 5.7     |
| HEADER 3 | 3.3     | 6.7     |
| HEADER 4 | 4.3     | 7.7     |



|               |      |             |            |                |                     |          |                        |              |          |
|---------------|------|-------------|------------|----------------|---------------------|----------|------------------------|--------------|----------|
| spec ref      | dr   | Li-Qing Lei | 2021/03/25 | projection     | mm                  | size     | A3                     | scale        | 1:1      |
| tolerance std | eng  | Li-Qing Lei | 2021/05/14 | chr            | -                   | ecn no   | ELX-N-40752-1          | rel level    | Released |
| surface       | appr | Tim Yao     | 2021/05/17 | product family | HEADER              | dwg no   | 10159558               | rev          | B        |
|               |      |             |            |                | ComboStak Connector | cat. no. | Product - Customer Drw | sheet 2 of 3 |          |

| PICK UP FEATURE | DESCRIPTION                      |
|-----------------|----------------------------------|
| MYLAR           | SIGNAL POSITION LESS THAN 40 POS |
| METAL CAP       | SIGNAL POSITION MORE THAN 40 POS |



|               |   |         |       |       |                 |             |                               |            |   |   |                |          |    |       |  |     |               |  |  |
|---------------|---|---------|-------|-------|-----------------|-------------|-------------------------------|------------|---|---|----------------|----------|----|-------|--|-----|---------------|--|--|
| spec ref      |   |         |       | dr    |                 | Li-Qing Lei | 2021/03/25                    |            |  |  | size           |          | A3 | scale |  | 1:1 |               |  |  |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED   |         |       | eng   |                 | Li-Qing Lei | 2021/05/14                    |            |   |   | ecn no         |          |    |       |  |     | ELX-N-40752-1 |  |  |
|               |   |         |       | chr   |                 | -           |                               | -          |   |   | rel level      |          |    |       |  |     | Released      |  |  |
|               |   |         |       | appr  |                 | Tim Yao     |                               | 2021/05/17 |   |   | product family |          |    |       |  |     |               |  |  |
| surface       |  | linear  | 0.X   | ±0.5  | Amphenol<br>FCi | title       | HEADER<br>ComboStak Connector |            |   |   | dwg no         | 10159558 |    |       |  | rev | B             |  |  |
|               |   |         | 0.XX  | ±0.25 |                 |             |                               |            |   |   |                |          |    |       |  |     |               |  |  |
|               |   |         | 0.XXX | ±0.10 |                 |             |                               |            |   |   |                |          |    |       |  |     |               |  |  |
|               |   | angular | 0°    | ±2°   |                 | cat. no.    | Product - Customer Drw        |            |   |   | sheet 3 of 3   |          |    |       |  |     |               |  |  |