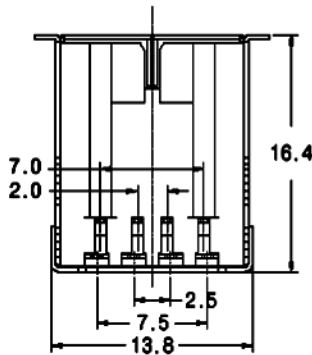


PCB LAYOUT



NOTES:

MATERIALS

- SHELLS: HIGH STRENGTH COPPER ALLOY
- HOUSINGS: THERMOPLASTIC UL94V-0 RATED
- TERMINALS: HIGH STRENGTH COPPER ALLOY

PLATING

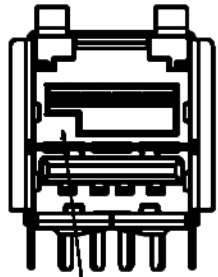
- SHELL: UNDERPLATE; 40 MICROINCHES Ni
100 MICROINCHES MIN TIN
- TERMINALS: UNDERPLATE; 40 MICROINCHES Ni
CONTACT AREA; 30 MICROINCHES AU
TAIL AREA; 100 MICROINCHES TIN

- * ALL THE MATERIAL CORRESPOND "ROHS" STANDARD.
- * USB SECTION CONFORMS TO USB 2.0 SPECIFICATION.
- * THIS CONNECTOR IS UNDER LICENSE OF IBM.

| | | | | | | | | | |
|-------------|----------------|-----------|----------|---------------------------------------|------------|------------|--|----------------------|----------------|
| mat'l code | | SEE TABLE | | tolerances unless otherwise specified | | CUSTOMER | | Merry-Link | |
| ltr | ecn no. | dr | date | linear | | COPY | | | |
| A | | | 9/24/04 | | .X ±.3 | projection | | USB + PWR RECEPTACLE | |
| B | MLEC0208 | | Feb/8/06 | | .XX ±.13 | MM | | | product family |
| C | | | | angles | .XXX ±.051 | scale | | code | |
| D | | | | dr | 0° ±2° | 1:1 | | size | |
| E | | | | enrg | | | | dwg no | |
| F | | | | ctr | FRANK | | | A | |
| G | | | | appd | GRACE YU | | | | USB868 |
| sheet index | revision sheet | G | G | F | | | | | sheet 1 of 2 |
| | | 1 | 2 | 3 | | | | | |

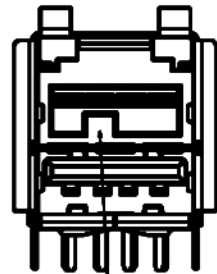
NOTES:

12V KEY POSITION



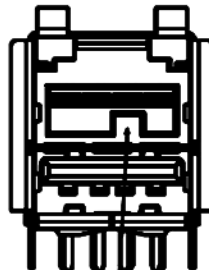
KEY POS. 1

24V KEY POSITION



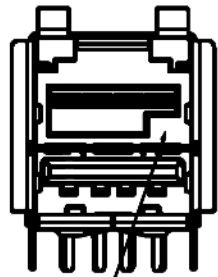
KEY POS. 2

5V KEY POSITION

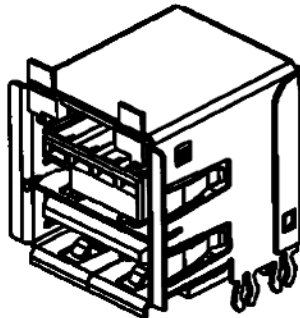
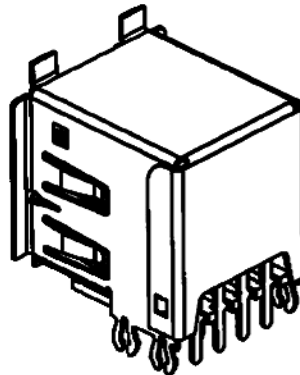


KEY POS. 3

19V KEY POSITION



KEY POS. 4



| CONTACT NUMBER | PRODUCT DASH NUMBER | | | MATING Sequence |
|----------------|---------------------|--------|--------|-----------------|
| | -1XX | -2XX | -3XX | |
| 1 | VCC | VCC | VCC | 2 |
| 2 | - DATA | - DATA | - DATA | 3 |
| 3 | + DATA | + DATA | + DATA | 3 |
| 4 | GROUND | GROUND | GROUND | 2 |
| 5 | GROUND | GROUND | GROUND | 2 |
| 6 | 12V | 24V | 5V | 3 |
| 7 | 12V | 24V | 5V | 3 |
| 8 | GROUND | GROUND | GROUND | 2 |
| SHELL | SHIELD | SHIELD | SHIELD | 1 |

| PRODUCT NUMBER | DESCRIPTION | VOLTAGE | COLOR |
|----------------|----------------|---------|-----------|
| USB868-100 | KEY POSITION 1 | 12V | BLACK |
| USB868-101 | KEY POSITION 1 | 12V | TEAL |
| USB868-200 | KEY POSITION 2 | 24V | BLACK |
| USB868-201 | KEY POSITION 2 | 24V | RED |
| USB868-300 | KEY POSITION 3 | 5V | BLACK |
| USB868-301 | KEY POSITION 3 | 5V | YELLOW |
| USB868-302 | KEY POSITION 3 | 5V | COOL GRAY |
| USB868-401 | KEY POSITION 4 | 19V | PURPLE |

| | | | | | | | | | | |
|-------------|----------------|-----------|----------|--------|---------------------------------------|---------------|----------|----------------------|-------------------|------|
| mat'l code | | SEE TABLE | | | tolerances unless otherwise specified | | CUSTOMER | | Merry-Link | |
| ltr | ecn no. | dr | date | linear | .X ±.3 | COPY | | title | | |
| A | | | 9/24/04 | | .XX ±.13 | projection | | USB + PWR RECEPTACLE | | |
| B | MLEC0208 | | Feb/8/06 | | .XXX ±.051 | MM | | product family | | |
| C | | | | angles | 0° ±2° | | | size | | code |
| D | | | | dr | | scale | | dwg no | | |
| E | | | | enrg | | 1:1 | | A | | |
| F | | | | ctr | | | | USB868 | | |
| G | | | | oppd | | | | sheet 2 of 2 | | |
| sheet index | revision sheet | G | G | F | | | | | | |
| | | 1 | 2 | 3 | | | | | | |