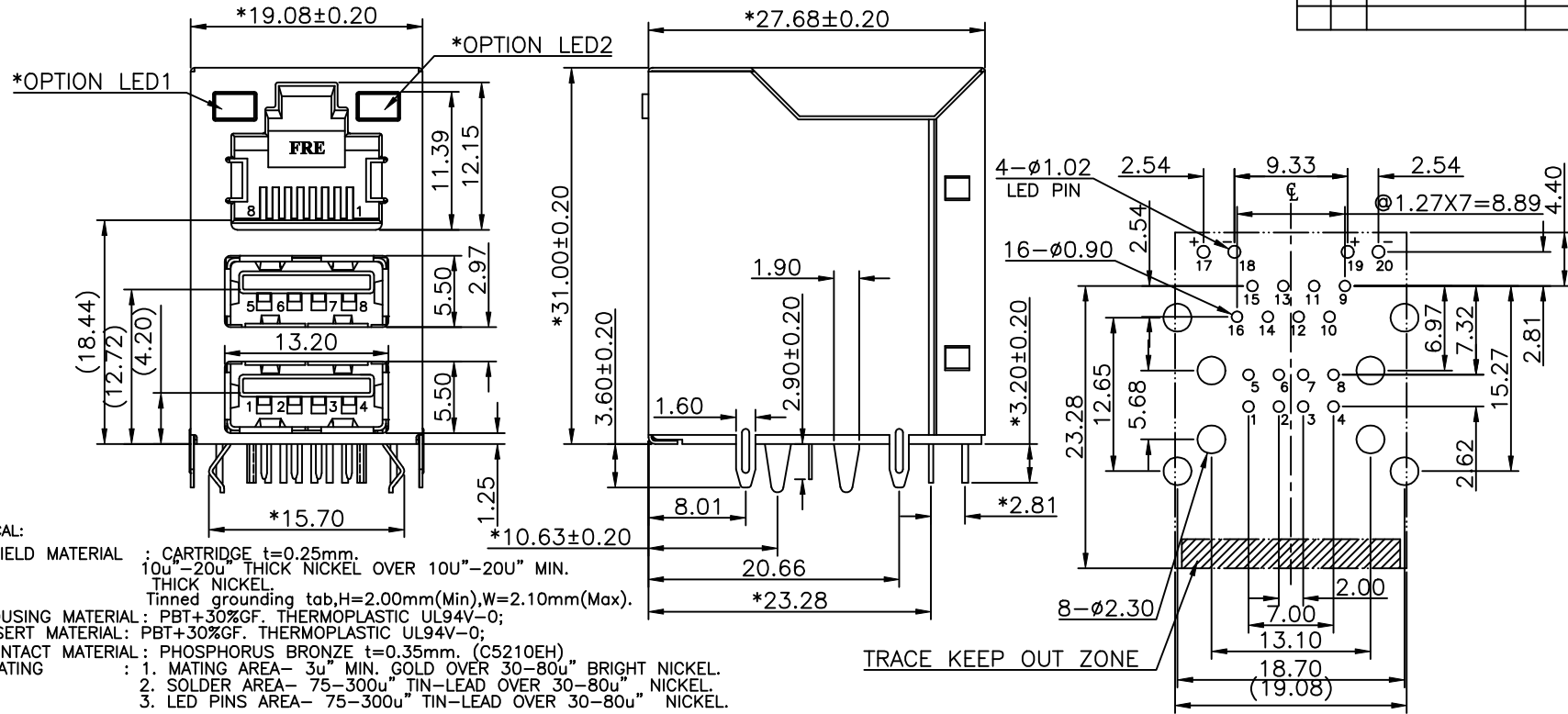


| REVISION RECORD | | | | |
|-----------------|-----|-------------|------|------|
| REV | ECO | DESCRIPTION | DRFT | CHKD |
| | | | | |



MECHANICAL:

- SHIELD MATERIAL : CARTRIDGE t=0.25mm.
10u"-20u" THICK NICKEL OVER 10U"-20U" MIN.
THICK NICKEL.
Tinned grounding tab,H=2.00mm(Min),W=2.10mm(Max).
- HOUSING MATERIAL: PBT+30%GF. THERMOPLASTIC UL94V-0;
- INSERT MATERIAL: PBT+30%GF. THERMOPLASTIC UL94V-0;
- CONTACT MATERIAL: PHOSPHORUS BRONZE t=0.35mm. (C5210EH)
- PLATING : 1. MATING AREA- 3u" MIN. GOLD OVER 30-80u" BRIGHT NICKEL.
2. SOLDER AREA- 75-300u" TIN-LEAD OVER 30-80u" NICKEL.
3. LED PINS AREA- 75-300u" TIN-LEAD OVER 30-80u" NICKEL.

RJ45 SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
 - CURRENT RATING:1.5AMPERES MAXIMUM.
 - VOLTAGE RATING:125VAC MAXIMUM.
 - INSULATION RESISTANCE:1000 MEGAOHMS MINIMUM @ 500VDC.
 - DIELECTRIC STEENGTH:1000VAC RMS 60Hz,1MIN.
- LED'S CHARACTERISTICS:
 - POWER DISSIPATION:80MW MAX.
 - FORWARD CURRENT:30MA MAX.
 - FORWARD VOLTAGE:2.2 VOLTS TYPICAL.
 - REVERSE VOLTAGE:5.0VOLTS MAX.
 - PEAR EMISSION WAVELENGTH:GREEN LED 568nmTYPICAL.
YELLOW LED 589 nm TYPICAL.
- MECHANICAL CHARCERISTICS:
 - MATING/UNMATING FORCE:5 LBS MAXIMUM.
 - DURABILITY (MATING/UNMATING CYCLES):1000CYCLES.
 - OPERATING TEMPERATURE:0°C TO +70°C.
STORAGE TEMPERATURE:-40°C TO +85°C.
WAVE SOLDERING TEMPERRATURE:230~250°C(3~5 SECONDS)
 - CONNCTACT PRESSURE:100 GRAMS MIN.
 - CONNECTOR TO PCB INSERTION FORCE < 8LBS.
 - PLUG TO JACK RETENTION:30LBS MIN.

RoHS PART NUMBER: E828B-A202XX-L

USB (E8144-51B02X)

Gold Thickness:
1- 3u" 2- 6u" 3-15u"
4-30u" 5-50u"

2-FRE LOGO
L-LED1 YELLOE;LED2 GREEN
M-LED1 GREEN;LED2 YELLOW

USB SPECIFICATIONS:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:1 AMPERS.
 - CONTACT RESISTANCE : 30 mOHMS MAX.
 - DIELECTRIC WITHSTANDING VOLTAGE:750 VAC RMS 60HZ,1 MIM.
 - INSULATION RESISTANCE:1000 MOHMS MIN @500 VDC.
- MECHANICAL CHARCERISTICS:
 - CONTACT MATING FORCE:34.3N(3.5kg) MAX.
 - CONNECTOR UNMATING FORCE :9.8N(1.0kg) MIN.
 - DURABILITY:1500 CYCLES.
 - OPERATING TEMPERATURE:0°C TO +70°C.

PC Board Layout
Component Side Shown

| MM (INCH) | | DFTO Ashelly | DATE 11/30/05' |
|----------------------------|---|---------------|----------------|
| TOLERANCES EXCEPT AS NOTED | | CHKDYICH | DATE 2005/12/1 |
| MM | | MFO | DATE |
| .0 ±0.20 | ± | APPVL LUSHENG | DATE 2005/12/1 |
| .00 ±0.15 | ± | MATERIAL : | |
| .000 ±0.075 | ± | QT'Y : | |
| ANGLES ± | | FINISH : | |
| THIRD ANGLE PROJECTION | | SCALE : 20:7 | |

| | | | |
|--|--|---------|----------------|
| FULL RISE ELECTRONIC CO., LTD | | | |
| TITLE THREE IN ONE FOR 8PIN(STAMPED PIN)(W/O PCB) | | | |
| DRAWING NO. GE823035-LC | | SIZE | REV |
| /PART NO. SEE NOTE | | A3 | 1 11/30/05' |
| DO NOT SCALE DRAWING | | SHEET X | OF Y |