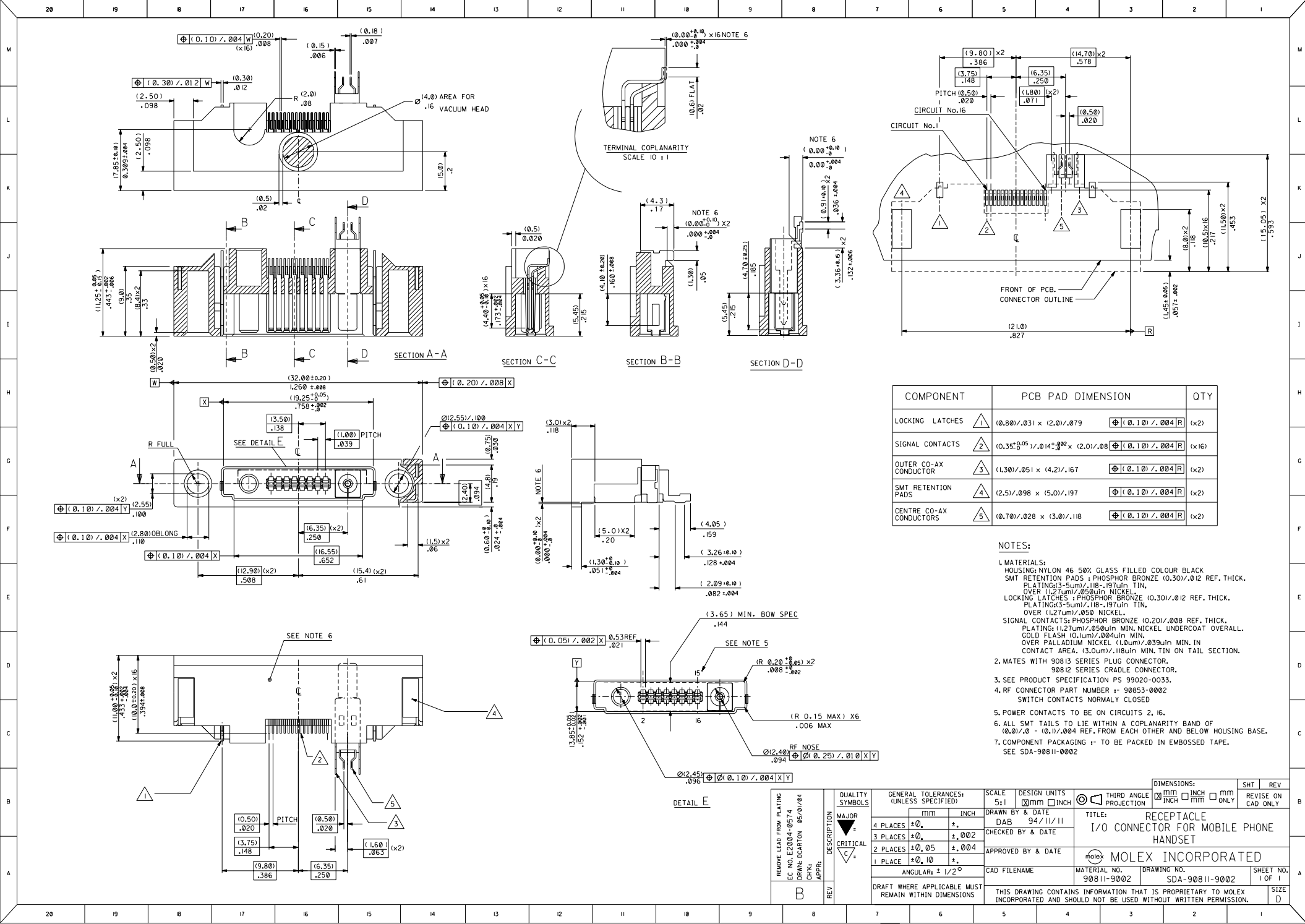


| COMPONENT | | PCB PAD DIMENSION | | QTY |
|---|---|---|---|---|
| LOCKING LATCHES | 1 | (0.80)/.031 x (2.0)/.079 | ⊕ (0.10)/.004 R | (x2) |
| SIGNAL CONTACTS | 2 | $(0.35^{+0.05}_{-0})$/$.014^{+.002}_{-0}$ x (2.0)/.08 | ⊕ (0.10)/.004 R | (x16) |
| OUTER CO-AX CONDUCTOR | 3 | (1.30)/.051 x (4.2)/.167 | ⊕ (0.10)/.004 R | (x2) |
| SMT RETENTION PADS | 4 | (2.5)/.098 x (5.0)/.197 | ⊕ (0.10)/.004 R | (x2) |
| CENTRE CO-AX CONDUCTORS | 5 | (0.70)/.028 x (3.0)/.118 | ⊕ (0.10)/.004 R | (x2) |

NOTES:

1. MATERIALS:
   HOUSING: NYLON 46 50% GLASS FILLED COLOUR BLACK
   SMT RETENTION PADS : PHOSPHOR BRONZE (0.30)/.012 REF. THICK.
   PLATING: (3-5um)/.118-.197uin TIN, OVER (1.27um)/.050uin NICKEL.
   LOCKING LATCHES : PHOSPHOR BRONZE (0.30)/.012 REF. THICK.
   PLATING: (3-5um)/.118-.197uin TIN, OVER (1.27um)/.050 NICKEL.
   SIGNAL CONTACTS: PHOSPHOR BRONZE (0.20)/.008 REF. THICK.
   PLATING: (1.27um)/.050uin MIN. NICKEL UNDERCOAT OVERALL.
   GOLD FLASH (0.1um)/.004uin MIN.
   OVER PALLADIUM NICKEL (1.0um)/.039uin MIN. IN CONTACT AREA. (3.0um)/.118uin MIN. TIN ON TAIL SECTION.
2. MATES WITH 90813 SERIES PLUG CONNECTOR. 90812 SERIES CRADLE CONNECTOR.
3. SEE PRODUCT SPECIFICATION PS 99020-0033.
4. RF CONNECTOR PART NUMBER :- 90853-0002 SWITCH CONTACTS NORMALY CLOSED
5. POWER CONTACTS TO BE ON CIRCUITS 2, 16.
6. ALL SMT TAILS TO LIE WITHIN A COPLANARITY BAND OF (0.0)/.0 - (0.1)/.004 REF. FROM EACH OTHER AND BELOW HOUSING BASE.
7. COMPONENT PACKAGING :- TO BE PACKED IN EMBOSSED TAPE. SEE SDA-90811-0002

REMOVE LEAD FROM PLATING
EC NO: E2004-0574
DRWN: DCARTON 05/01/04
CHK:
APPR:
DESCRIPTION
REV
B

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES: (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ±0. | ±. |
| 3 PLACES | ±0.0 | ±.002 |
| 2 PLACES | ±0.05 | ±.004 |
| 1 PLACE | ±0.10 | ±. |
| ANGULAR: ± 1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 5:1
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☒ mm/INCH ☐ INCH/mm ☐ mm ONLY
SHT REV
REVISE ON CAD ONLY
DRAWN BY & DATE DAB 94/11/11
CHECKED BY & DATE
APPROVED BY & DATE
CAD FILENAME

TITLE: RECEPTACLE I/O CONNECTOR FOR MOBILE PHONE HANDSET

MOLEX INCORPORATED

MATERIAL NO. 90811-9002
DRAWING NO. SDA-90811-9002
SHEET NO. 1 OF 1
SIZE D