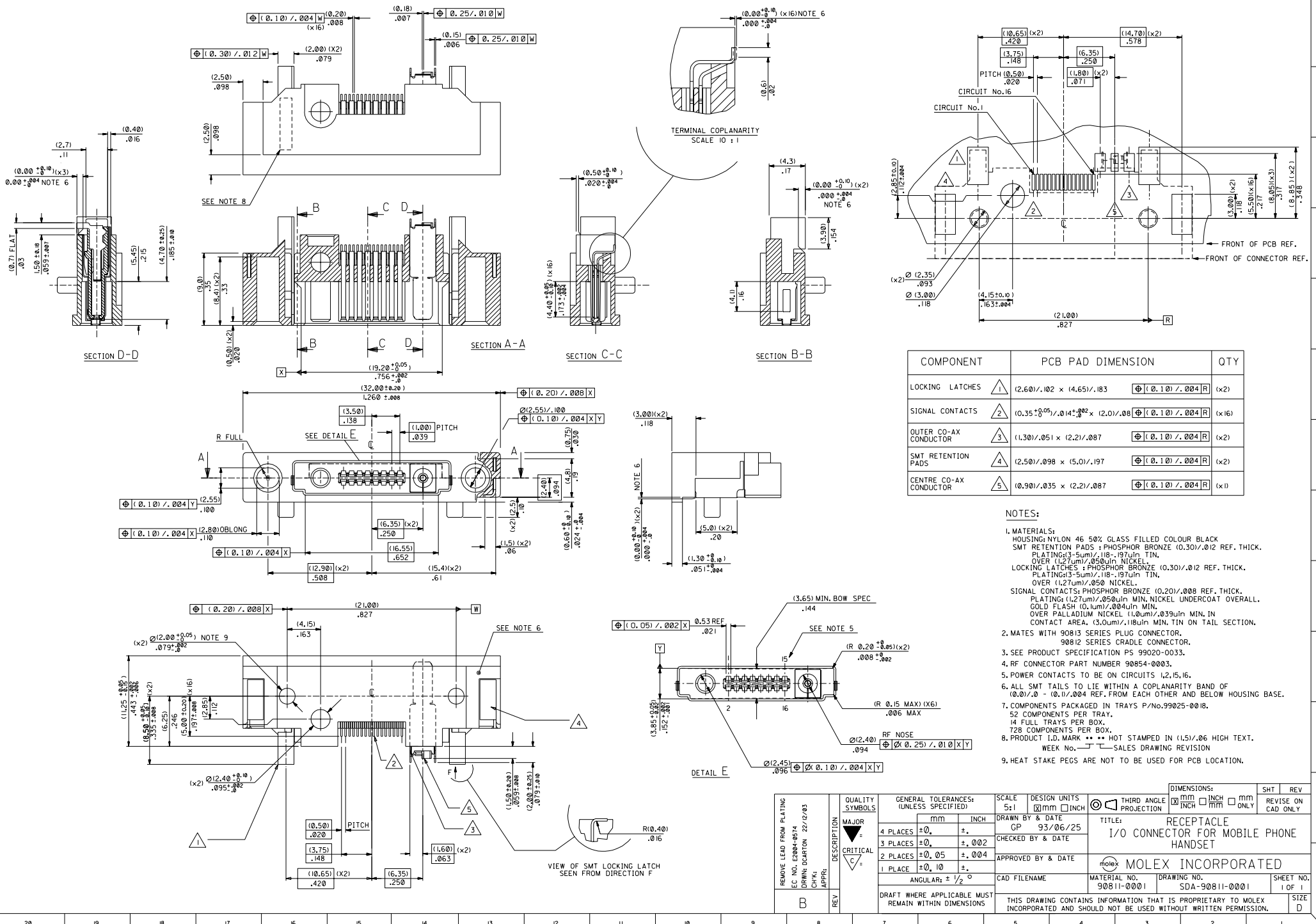

COMPONENT		PCB PAD DIMENSION	QTY
LOCKING LATCHES	1	(2.60)/.102 x (4.65)/.183 ⊕ (0.10)/.004 R	(x2)
SIGNAL CONTACTS	2	(0.35 +0.05 −0)/.014 +.002 −0 x (2.0)/.08 ⊕ (0.10)/.004 R	(x16)
OUTER CO-AX CONDUCTOR	3	(1.30)/.051 x (2.2)/.087 ⊕ (0.10)/.004 R	(x2)
SMT RETENTION PADS	4	(2.50)/.098 x (5.0)/.197 ⊕ (0.10)/.004 R	(x2)
CENTRE CO-AX CONDUCTOR	5	(0.90)/.035 x (2.2)/.087 ⊕ (0.10)/.004 R	(x1)

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 90854-0003.
5. POWER CONTACTS TO BE ON CIRCUITS 1,2,15,16.
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. COMPONENTS PACKAGED IN TRAYS P/No.99025-0018.
   52 COMPONENTS PER TRAY.
   14 FULL TRAYS PER BOX.
   728 COMPONENTS PER BOX.
8. PRODUCT I.D. MARK •• •• HOT STAMPED IN (1.5)/.06 HIGH TEXT.
   WEEK No. — SALES DRAWING REVISION
9. HEAT STAKE PEGS ARE NOT TO BE USED FOR PCB LOCATION.

REMOVE LEAD FROM PLATING
EC NO: E2004-8574 DRWN: DCARTON 22/12/03
CHK'R: APPR:
B
DESCRIPTION REV

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL ▽ C =

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: GP 93/06/25
CHECKED BY & DATE:
APPROVED BY & DATE:
CAD FILENAME:

TITLE: RECEPTACLE I/O CONNECTOR FOR MOBILE PHONE HANDSET

molex MOLEX INCORPORATED

MATERIAL NO. 90811-0001 | DRAWING NO. SDA-90811-0001 | SHEET NO. 1 OF 1 | SIZE D

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