# HHP FOR ATE EQUIPMENT

## ATE CONECTION  -  SIGNAL DESCRIPTION

Connection to ATE may be made by taking out 2 signals (HH0120) or 5 signals (HH0820) and GND from the Hand Held programmer

Typically a 6pin Connector  and ribbon cable is added to the programmer

|       |     |  ‾‾  |        |
|-------|-----|------|--------|
|       |     | \| \|  |   /\   |
| PROG  | SEL1 | STATUS |
| GND   | SEL2 | SEL0 |

The STATUS line is marked by the red wire on the ribbon cable.

## PROG (INPUT)

drive at  TTL logic levels, or open drain (just pull low). Pull Low to start programming. The line should be released after 100mS (Not critical. But must be released by the end of programming)

## SLOT SELECTION LINES, SEL0, SEL1, SEL2 (INPUT) - HH0820

Drive at  TTL logic levels, or open drain. Pull  lines marked "0" low as indicated in the table:

|        | SEL0 | SEL1 | SEL2 |
|--------|------|------|------|
| SLOT1  | 1    | 1    | 1    |
| SLOT2  | 0    | 1    | 1    |
| SLOT3  | 1    | 1    | 0    |
| SLOT4  | 0    | 1    | 0    |
| SLOT5  | 1    | 0    | 1    |
| SLOT6  | 0    | 0    | 1    |
| SLOT7  | 1    | 0    | 0    |
| SLOT8  | 0    | 0    | 0    |

The rotary switch on the programmer may be used to select a slot for test purposes. Otherwise it must  be left in the slot 1 position – (marked as 0 on the switch – as this is marked 0-7).

## STATUS (OUTPUT)

TTL output . Goes high when programming. Then low when finished. PASS/FAIL is indicated, 100mS after the end of programming. If programming was OK, the line goes high. If it was a fail the line stays low.


**FAIL**

```
                                    _____
STATUS _____|          <PROGRAMMING>          |_____
           _____          _____
PROG                            |_____|
```


**PASS**

```
                                    _____   _____
STATUS_____|          <PROGRAMMING>          |_____|
           _____          _____
PROG                            |_____|
```