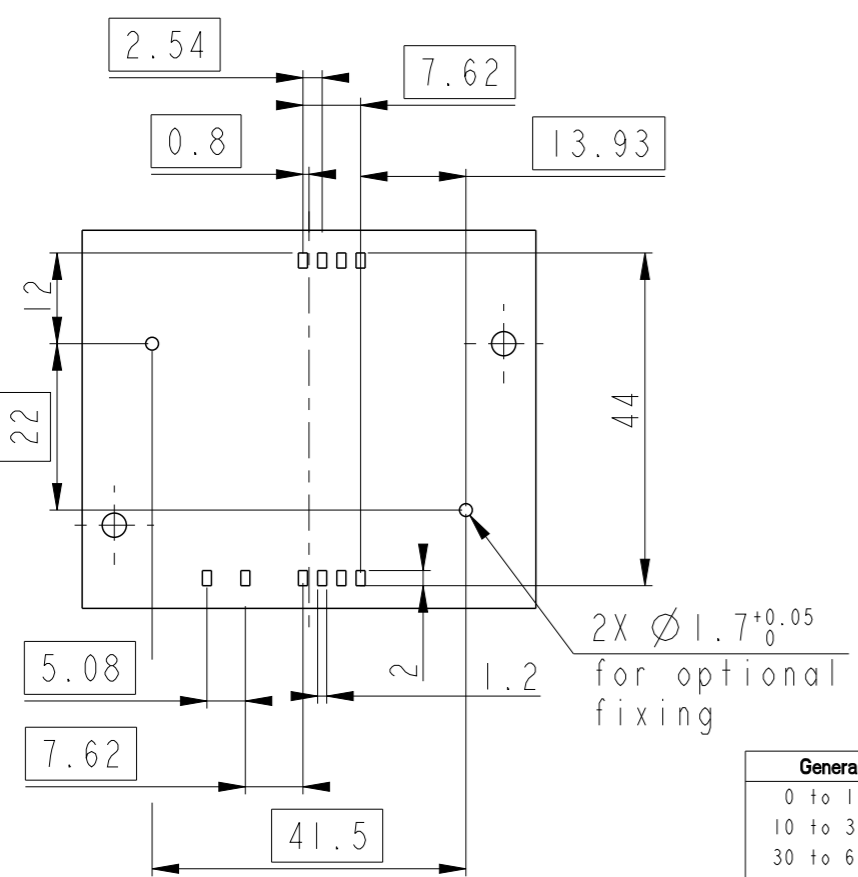


Recommended PCB Layout (Component side)



GENERAL :
 High cycle life duration smart card connector with landing type contacts mechanism. The landing type connector also provides the feature of recessed contacts when card is not inserted which protects them against vandalism.
 Smart card for reference purposes only.

ELECTRICAL PROPERTIES:
 Insulation resistance : > 1000MΩ
 Dielectric withstanding voltage : > 750 Vrms
 Current carrying capacity : Min 10μA, Max 1A
 Contact resistance : < 100mΩ

MECHANICAL PROPERTIES :
 Operating force : Insertion : F < 10N
 Withdrawal : 1 < F < 10N
 Contact Normal force : 0.2 < F < 0.3 for 0.6mm of deflection
 Durability : 500,000 mating cycles

MATERIAL :
 Head reader : High temp. Thermoplastic, Black, Rated UL94V0
 Cover : High temp. Thermoplastic, Colour. Black, Rated UL94V0
 Contacts : Copper alloy,
 Plating : Nickel min. all over
 Gold/Equivalent PdNi on contact area
 Matte tin min. on solder tails

ENVIRONMENT :
 Operating temperature : -40°C / +85°C
 Climatic conditions : UTE 93-421

PACKAGING :
 Plastic cavity tray

LEAD FREE VERSION:

"This product meets European Union Directives and other country regulations as described in GS-47-0004"

The housing will withstand exposure to 260°C peak temperature for 10seconds in a convection reflow oven.

PART NUMBER: 7X11E0225S01001LF

X	PACKAGING TRAY TYPE
3	CNR VERTICAL ORIENT-TRAY-QTY-60
5	CNR HORIZONTAL ORIENT-TRAY-QTY-20

General Tolerances	
0 to 10mm:	±0.1mm
10 to 30mm:	±0.15mm
30 to 60mm:	±0.2mm
60 and more:	±0.3mm

spec ref	--
tolerance std	ISO 406 ISO 1101
surface	ISO 1302
linear	0.X ± 0.XX ± 0.XXX ±
angular	0° ±°

dr	P-Mathew Nebu	2014/02/26
eng	P-Mathew Nebu	2019/09/27
chr	-	-
appr	Kuriakose, San	2019/09/27

projection	mm	size	A3	scale	1:1	
product family	MOBILE I/O	ecn no	ELX-I-34103-1	rel level	Released	
title	8 POS. SMT E02 WITHOUT PEGS SMART CARD READER - EXTENDED TYPE		dwg no	10128659	rev	B
cat. no.	-	Product - Customer Drw	sheet 1 of 1			

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