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Future reference catalogue: 1L-10-5Y1-nn-1-P

TECHNICAL DATA



INSULATOR:
Glass filled plastic UL94 V0

PIN MATERIAL:
Phosphor Bronze

PLATING

Y = 1 Tin plated (Contact areas and solder areas with Ni 1.25µm mini. + Sn 3µm mini)
 Y = 3 Selective Gold plated (Contact areas with Ni 1.25µm mini. + Flash Au 0.1µm mini. Solder areas with Ni 1.25µm mini + Sn 3µm mini.)
 Y = 4 Gold plated (Contact areas and solder areas with Ni 1.25µm mini. + Flash Au 0.1µm mini)

MECHANICAL SPECIFICATIONS

Mechanical endurance :
50 operations with tin plated
500 operations with gold plated

Insertion Force :
3 N max. with tin plated
1.5 N max. with gold plated

ELECTRICAL SPECIFICATIONS

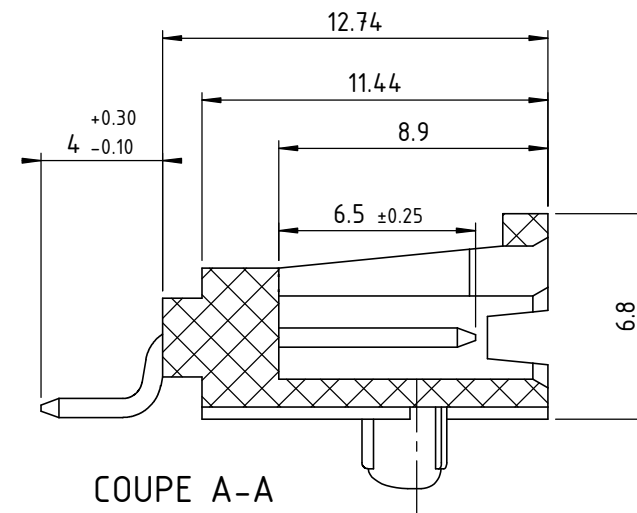
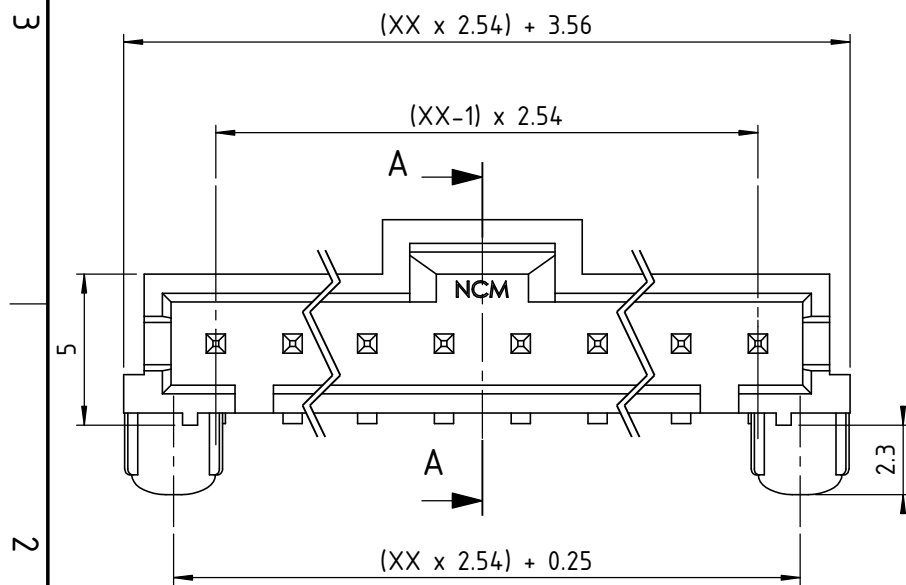
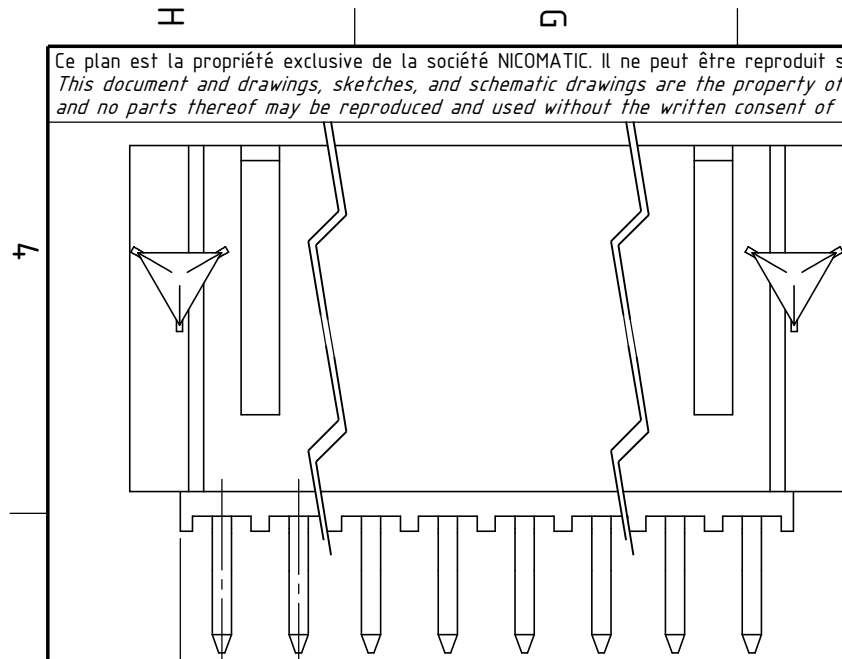
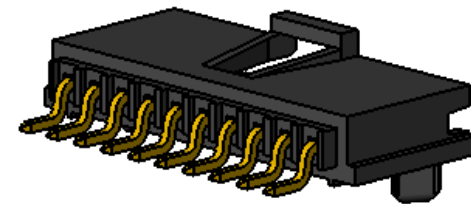
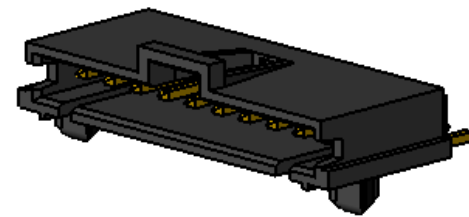
Contact resistance : 20mΩ max.
 Current rating per contact 3A
 Min. withstanding voltage 500V RMS
 Min. insulator resistance 1000 MΩ

THERMAL SPECIFICATIONS

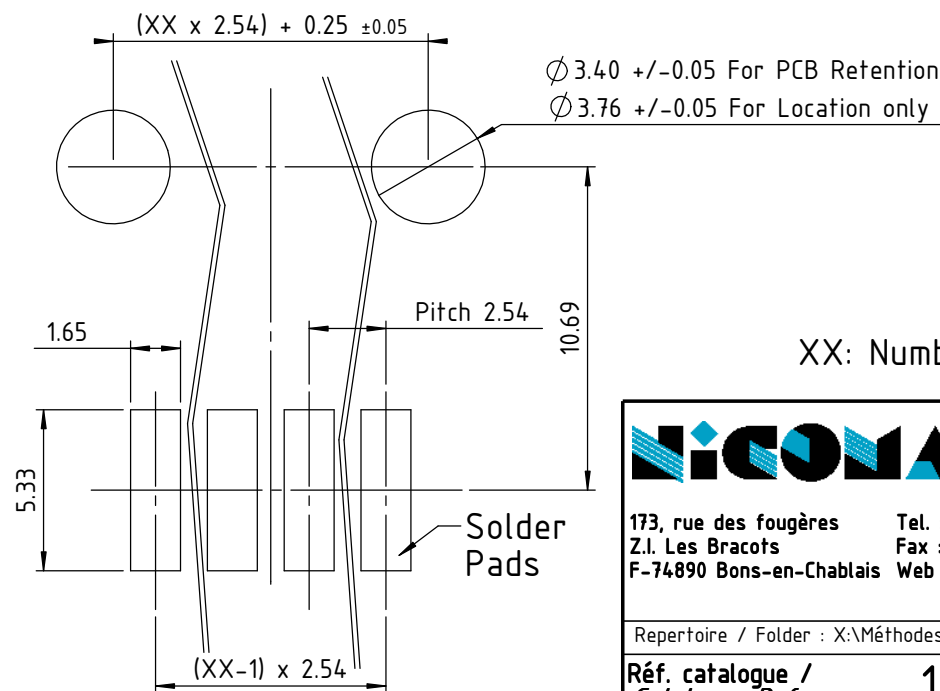
Connectors operating temperature : -40°C to +105°C
 Reflow solder process compatible

Code correspond :

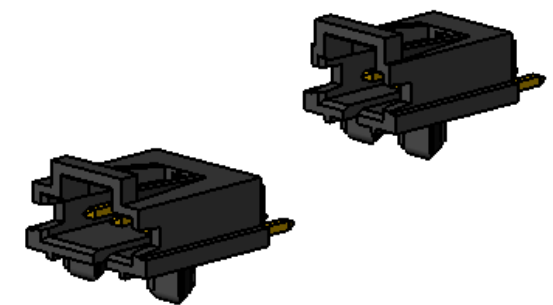
- * 1L : Male connector with locking system
- * 10 : Simple row.
- * 5 : 90° SMT (R type).
- * Y1 : Plating (See Technical data) and pitch (2.54mm).
- * nn : Number of pins 02 ≤ nn ≤ 20.
- * 1 : Material of insulator (See Technical data)
- * P : Connector with pegs for PCB retention or location.



Recommended PCB Layout:



XX: Number of points: 02 to 20 pts



		b	23/01/13	C.B.	J.R.	A.V.
		Ind	Date	Drawn	Checked	Approved
Désignation : Connecteur HE13/HE14 SMT						
Designation : Male HE13/HE14 Connector SMT						
Repertoire / Folder : X:\Méthodes\Plans clients\Plans clients 2D\31 - Connecteurs et dérivés HE13-HE14\03-Connecteurs\1L-10-5Y1-XX-1-P_cl						
Réf. catalogue / Catalogue Reference		1L-10-5Y1-XX-1-P			Tolérance générale / General tolerance	
				±0.2	Page 1/1	A3