

NXP MINI LOGIC



**BIGGER
ISN'T
ALWAYS
BETTER...**



WHAT IS
**MINI
LOGIC**
?



The **SMALLEST**
building block designed
for your exact needs in
5-, 6-, 8-, or 10-pin
packages



Single Gate



Dual Gate



Triple Gate

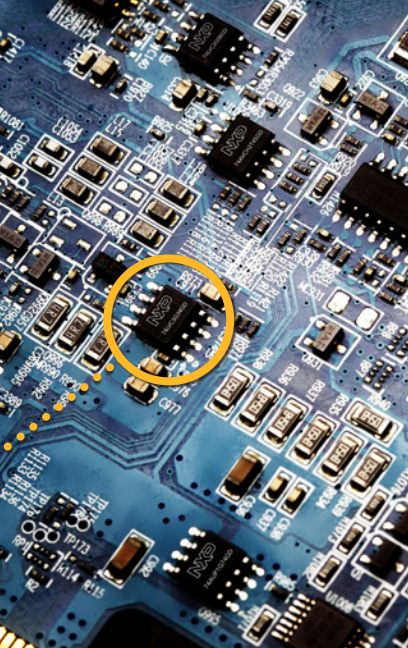
WHY
MINI
LOGIC
?



Today's increasingly complex and dense circuit boards require glue logic and voltage translation solutions tuned to the exact specifications of the application.

The solution?
MINI LOGIC
from NXP





MINI LOGIC PACKAGES



Focus Mini Logic packages

| Pin count | Leaded (L x W x H x Pitch mm) | |
|-----------|--|--|
| 5-pin | GW (SOT353) 2.0 x 1.3 x 1.1 x 0.65 |  |
| 6-pin | GW (SOT363) 2.0 x 1.3 x 1.1 x 0.65 |  |
| 8-pin | DC (SOT765) 2.0 x 2.3 x 1.0 x 0.5 |  |
| 10-pin | DP (SOT552) 3.0 x 3.0 x 1.1 x 0.5 |  |

Leadless
(L x W x H x Pitch mm)

GX (SOT1226)
0.8 x 0.8 x 0.35 x 0.5



NEW!
GX (SOT1255)
0.8 x 1.0 x 0.35 x 0.4



GT (SOT833)
1.0 x 1.95 x 0.5 x 0.5



GU (SOT1160)
1.4 x 1.8 x 0.5 x 0.4



MINI LOGIC PORTFOLIO





WHY CHOOSE NXP?

QUALITY

CAPACITY

BROADEST PORTFOLIO

| Function | | Gates, buffers, | | |
|---------------|--------------|-------------------|---------------------------------------|--|
| Voltage level | Logic family | Buffers/inverters | Schmitt Trigger buffers/ inverters | |
| | | High voltage | CBT | |
| HC(T) | • | | • | |
| AHC(T) | • | | • | |
| XC7 | • | | • | |
| Low voltage | CBTLV | | | |
| | LVC | • | • | |
| | AVC(M) | | | |
| | AUP | • | • | |
| | AXP | • | • | |

| inverters | | Voltage translation | Switches & mult | |
|-----------|-----------------------|----------------------------|-----------------|-------------------------|
| Gates | Schmitt Trigger gates | Level shifters/translators | Switches | Decoders/demultiplexers |
| | | | • | |
| • | | | • | |
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| | | | • | |
| • | • | • | • | • |
| | | • | | |
| • | • | • | | • |
| • | • | • | | |

| Multiplexers | | Clocking elements | | | |
|--------------|---------------------|-------------------|----------------------------|-----------------------------|---------------------------|
| | Digital multiplexer | Flip Flops | Latches/registered drivers | Counters/frequency dividers | Multivibrators (one-shot) |
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www.nxp.com

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Printed in USA