Reverse Power Solution
- Eight inputs provide one common output
- Inputs and outputs are galvanic isolated by flyback converters
- Each converter is capable to supply the full power of 1.1A
- The load current is shared equally between all active converters

Common Output
12.0V @ 1.1A

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Design Notes
- R12, R18 for test purpose only.
- C21, C26, D9, R22, R23 not populated
- U1 (SO-8) does not meet footprint (8-VSSOP)
Up to 8 Inputs
27 ... 60V DC

Transformer
Nip1: Nip2: Nac1 = 1.0 - 0.33 - 0.37
1200uH: 13.1uf: 16.4uF

Worst Case Current Stress
Transformer Primary: 1.1A peak, 0.7A rms
Transformer Secondary: 3.0A peak, 1.7A rms
Input Capacitor: 0.5A rms
Output Capacitor: 1.3A rms

* U1 (SO-8) does not meet footprint (8-VSSOP)

Design Notes
* R12, R18 for test purpose only
* C21, C26, D5, R22 not populated
* U1 (SO-8) does not meet footprint (8-VSSOP)
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